MYRA A. FERNANDES

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EDUCATION

2001 PhD Psychology; Cognitive Neuropsychology, University of Toronto
1997 MA Psychology, University of Toronto
1996 BSc Psychology major, Biology minor, University of Waterloo

PROFESSIONAL POSITIONS

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

DISTINGUISHED PROFESSIONAL ACTIVITIES

2026	Elected *Fellow of the Royal Society of Canada*
2026	Governing Board Chair *Psychonomic Society*
2023-2028	Chair - University of Waterloo *Tenure, Permanence and Promotion Advisory Committee*
2022-2026	Associate Editor, *Canadian Journal of Experimental Psychology* (APA journal)
2022-2025	Co-Chair of Strategic Planning - *Psychonomic Society*
2018-2025	Advisory Board, *Women in Cognitive Science Canada*
2022-2024	Governing Board Partner - *Canadian Psychological Association*
2020-2022	President – *Canadian Society for Brain, Behaviour, & Cognitive Sciences*
2018-2019	Chair - *Natural Sciences & Engineering Research Council of Canada (NSERC)- Discovery Grants,* Behavioural Neurosciences, Ottawa, ON
2014-2018	Associate Editor - *Memory & Cognition* (Psychonomic Society journal)
2013-2015	Associate Editor - *Journal of Gerontology: Psychological Sciences* (Oxford journal)
2013	Chair - *NSERC Scholarships & Fellowships National Committee* – Life Sciences
2013	Elected to *Memory Disorders Research Society (MDRS)*
2008-2009	Chair, Scholarships & Fellowships Panel – *Ontario Graduate Scholarship*

AWARDS

2026 Fellow – *Royal Society of Canada*
2025 Outstanding Performance Award, *University of* Waterloo (also in 2022, 2019, 2016, 2013, 2009) for exceptional achievements by faculty demonstrating notable accomplishments in research, scholarship, and teaching excellence
2018 Fellow – *Canadian Society for Brain, Behaviour, and Cognitive Science (CSBBCS)*

2017 Fellow – *Association for Psychological Science (APS)*
2017 Mentorship Award - *Women in Cognitive Science Canada*
for positively impacting, supporting and guiding the careers of women in cognitive science, to address challenges faced by women in the discipline
2014 Fellow –*Psychonomic Society*
2013 Research Excellence Award - *Ontario Ministry of Research & Innovation*
recognizes demonstrated excellence in fields of study that drive innovation, economic growth, and societal benefits within the province
2011 Extraordinary Service Award - *Journal of Gerontology: Psychological Science*
recognizes long-standing excellence as an Associate Editor
2008 Top Reviewer Award – *Neuropsychologia*
2007 President's Researcher Award - *Canadian Psychological Association*
recognizes exceptional quality of contributions to psychology in Canada
2007 Visiting Scientist Fellowship –*Rotman Research Institute*, Baycrest Hospital
2001 Postdoctoral award, *Natural Sciences & Engineering Research Council of Canada (NSERC)*
2003 Travel Award - *Organization for Human Brain Mapping*
1996 Postgraduate Masters and Doctoral level Scholarships – *NSER*C

GRANTS

External Research Funding:

2026-2031	*Natural Sciences & Engineering Research Council of Canada* (NSERC) Discovery Grant (PI)	$63,000/year Total = $315,000
2020-2026	*Natural Sciences & Engineering Research Council of Canada* (NSERC) Discovery Grant (PI)	$65,000/year Total = $390,000
2023-2025	*National Institute for Research in Digital Science and Technology* (INRIA) *France*, University of Bordeaux (Co-PI)	$56,000
2015-2020	NSERC Discovery Grant (PI)	$33,000/year Total = $165,000
2010-2015	NSERC Discovery Grant (PI)	$35,000/year Total = $175,000
2008-2013	*Ontario Ministry of Research & Innovation* - Early Researcher Award (PI)	$150,000
2009-2012	*Canadian Institutes of Health Research* (CIHR) - Operating Grant (Co-I)	$300,000
2009	CIHR – Pilot Project Grant	$37,374
2008	NSERC Research Tools & Instruments (Co-I)	$90,500
2005-2010	NSERC Discovery Grant (PI)	$15,809/year Total = $79,045
2007	*Canadian Psychological Association* Travel Grant	$1,000
2005	NSERC Research Tools & Instruments (PI)	$11,400
	Total	***$1,770,319***

Internal Research Funding:

2017-2018	Waterloo-Bordeaux International Initiative (Co-I)	$18,000
2016-2017	Bordeaux International Student Travel Support (Co-I)	$13,600
2015-2016	Bordeaux-University of Waterloo Initiative (Co-I)	$20,000
2008	CIHR Initiative fund	$8,000
2006	University of Waterloo Learning Initiatives Grant	$9,120
2005	University of Waterloo – Start-up funds	$3,000
2004	University of Waterloo – Start-up funds	$53,000
	Total	***$124,720***

PUBLICATIONS

Publication summary

- Books = 4
- Peer-reviewed articles = 108
- Chapters in books = 4
- Technical reports = 2
- Submitted peer-reviewed papers = 6
- Invited presentations and distinguished lectures = 57
- Conference talks and posters = 179

Supervised students underlined; last author denotes the senior author who initiated, supervised, and funded the study; trainees are first-author on their Masters and PhD research; * denotes an award-winning publication.

Books (total = 4):

1. **Fernandes, M.A.** (Ed.) (2020). *Cognitive Aging*. MDPI: Basel, Switzerland; +collection of articles, from across the globe investigating why and how memory changes as we age
2. Stolz, J., Fugelsang, J., & **Fernandes, M.A**. (2018). *Cognitive Psychology: In and Out of the Laboratory*. 2nd Canadian Edition. Kendall-Hunt Publishing Company: Dubuque, IA; Fernandes contribution = 4 of 12 chapters; +in use at 9 Canadian Universities/Colleges, and 2 international schools.
3. Aizenstein, H., **Fernandes, M.A.,** & Reynolds, III, C.F. (Eds.) (2010). *Neuroimaging Research in Geriatric Mental Health*. Springer Publishing Company: New York, NY; +explores neurobiological aspects of geriatric mental health to understand why abnormal aging happens and what can be done to treat it.
4. 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.

Articles in Refereed Journals (total = 108):

1. Durston, A.J., **Fernandes, M.A**., Itier, R.J. (in press; accepted May 20th 2026). He was called ugly, not me: social opinion valence and reference influence "source-related memory", but not face recognition. *Cognition & Emotion*.
2. Husein, K., Goel, L., Anderson, E., Yeung. R.C., Stastna, M., & **Fernandes, M.A.** (2026). Can computational sentiment analysis classify autobiographical memories? Comparing VADER and TextBlob. *Canadian Journal of Experimental Psychology;* https://doi.org/10.1037/cep0000399
3. Husein, K., & **Fernandes, M.A.** (2026). Popular songs evoke autobiographical memories in younger and older adults: specifying the source. *Aging, Neuropsychology, and Cognition,* 1-27.
4. Yeung, R.C., & **Fernandes, M.A.** (2025). Voluntary and recurrent involuntary autobiographical memories: Similar phenomenology, different relationships with psychopathology. *Journal of Applied Research in Cognition, 14 (4)*, 499.
5. Sivashankar, Y., He, P., Tsapoitis, P., Skorski, E., & **Fernandes, M.A.** (2025). The necessity of motoric engagement in enhancing route memory. *British Journal of Psychology, 116 (4)* 1164-1188.
6. Tanberg, P., Yeung, R.C., & **Fernandes, M.A**. (2025). Evidence of temporal and emotional alignment between song cues and their evoked autobiographical memories. *Memory & Cognition,* 1-12.
7. Sivashankar, Y., Roberts, B.R., **Fernandes, M.A.** (2025), Integration of representations is key to the enactment benefit: Insights from individuals with stroke lesion. *Neuropsychologia, 211*, 10911.
8. Roberts, B.R.T., Tran, S., & **Fernandes, M.A.** (2025). Symbolism itself does not boost memory: Evidence from the periodic table of elements. *Scientific Reports, (1),* 4278-4287.
9. Yeung, R.C. Sokolowski, M., Fan, C.L., **Fernandes, M.A**., & Levine, B. (2025). The curse of imagery: Trait object and spatial imagery differentially relate to symptoms of posttraumatic stress disorder. *Clinical Psychological Science.*
10. Levi, A., Pugsley, A., **Fernandes, M.A.**, Turner, G.R., & Gilboa, A. (2025). Drawing improves memory in patients with hippocampal damage. *Memory & Cognition, 53,* (1), 379-394.
11. Tran, S. & **Fernandes, M.A.** (2025). Effectiveness of production and drawing as encoding techniques on recall using mixed- and pure-list designs. *Memory, 33,* 1–18.
12. Roberts, B.R.T., Meade, M., & **Fernandes, M.A.** (2025). Roberts, B.R.T., Meade, M.E. & Fernandes, M.A. Brain regions supporting retrieval of words drawn at encoding: fMRI evidence for multimodal reactivation. *Memory & Cognition, 53*, 282–298.
13. Kim, B., Tran, S., & **Fernandes, M.A.** (2024). Comparing the effectiveness of encoding techniques on memory for vocabulary in a second language. *Canadian Journal of Experimental Psychology/Revue canadienne de psychologie expérimentale*.***** Best talk award at the *Psychology Discovery Conference*, Waterloo
14. Tanberg, P., **Fernandes, M.A**., MacLeod, C.M., & Hockley, W.E. (2024). How varying cue duration influences item-method directed forgetting: A novel selective retrieval interpretation. *Memory & Cognition*, 1-15.
15. Tran, S., & **Fernandes, M.A**. (2024). Which encoding techniques facilitate comprehension? *Experimental Psychology, 71, 2,* 1-11.
16. Titone, D., Dyson, B., **Fernandes, M.A.,** & Joanisse, M. (2024). Encouraging registered reports at the Canadian Journal of Experimental Psychology (CJEP): An invited tutorial by Oshiro et al (2024) [Editorial]. Canadian Journal of Experimental Psychology / Revue canadienne de psychologie expérimentale, 78(4), 203–204.
17. Cox, A., & **Fernandes, M.A.** (2024). Long-term cognitive and affective consequences of mild traumatic brain injury: Comparison with older adults. *Brain Injury, 38*(13), 1133-1146.

18. Sivashankar, Y., He, P., Sauzéon, H., & **Fernandes, M.A**. (2024). Motoric engagement, but not decision-making, during encoding influences route memory. *Spatial Cognition and Computation*, *24*(4), 271-296.
19. **Fernandes, M.A**. (2024). A case for using methods from natural science in advancing the field of cognitive neuroscience. *Theory & Psychology, 34*(3), 392-404.
20. Yeung, R.C., & **Fernandes, M.A**. (2024). Recurrent involuntary memories and mind wandering are related but distinct. *Psychological Research, 88*, 1483–1498.
21. Yeung, R.C., Danckert, J., van Tilburg, W.A.P., & **Fernandes, M.A.** (2024). Disentangling boredom from depression using the phenomenology and content of involuntary autobiographical memories. *Scientific Reports*, 14(1), 2106.
22. Sivashankar, Y., **Fernandes, M.A**., Oudeyer, P.-Y., & Sauzéon, H. (2024). The beneficial role of curiosity on route memory in children. *Frontiers in Cognition, 3,* 1346280.
23. Tran, S., & **Fernandes, M.A.** (2024). Age differences in effectiveness of encoding techniques on memory. *Aging, Neuropsychology, & Cognition*, *31*(3), 479-495.
24. Yeung, R.C., & **Fernandes, M.A**. (2023). Specific topics, specific symptoms: Linking the content of recurrent involuntary memories to mental health using computational text analysis. *Nature Portfolio Journals (npj) Mental Health Res, 2*, 22.
25. Tran, S., & **Fernandes, M.A.** (2023). Drawing enhances memory for emotional words. *Canadian Journal of Experimental Psychology, 77*(4)*,* 296-307.
26. Roberts, B.R.T., MacLeod, C.M., & **Fernandes, M.A.** (2023). Symbol superiority: Why $ is better remembered than 'dollar'. *Cognition, 238*, 105435.
27. Morrison-Koechl, J.M, Fearon, D.O., **Fernandes, M.A.,** & Tyas, S.L. (2023). 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, 7*(1), 317-326.
28. Roberts, B.R.T., **Fernandes, M.A.,** & MacLeod, C.M. (2023). Memory for symbolic images: Findings from sport team logos. *Journal of Applied Research in Memory & Cognition, 12*(4)*,* 589-596.
29. Tran, S. H., Beech, I., & **Fernandes, M. A**. (2023). Drawing compared to writing in a diary enhances recall of autobiographical memories. *Aging, Neuropsychology, and Cognition, 30*(3), 455-471.
30. Sivashankar, Y., Liu, J., & **Fernandes, M. A.** (2023). The importance of performing versus observing meaningful actions on the enactment benefit to memory. *Journal of Cognitive Psychology*, *35*(1), 47-58.
31. Roberts, B.R.T., MacLeod, C.M., & **Fernandes, M.A.** (2022). The enactment effect: A systematic review and meta-analysis of behavioral, neuroimaging, and patient studies. *Psychological Bulletin, 148*(5-6), 397-434.
32. Yeung, R. C., & **Fernandes, M.A**. (2022). Machine learning to detect invalid text responses: Validation and comparison to existing detection methods. *Behavior Research Methods, 54*, 3055-3070.
33. Yeung, R. C., Stastna, M., & **Fernandes, M.A.** (2022). Understanding autobiographical memory content using computational text analysis. *Memory, 30*(1), 1267- 1287.
34. 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.
35. 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.
36. Sivashankar, Y., & **Fernandes, M.A**. (2022). Enhancing memory using enactment: Does meaning matter in action production? *Memory, 30*(2), 147-160.

37. 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.
38. 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.
39. 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, 74*(7), 1170-1184.
40. Larche, C. J., Chini, K., Lee, C., Dixon, M. J., & **Fernandes, M.A.** (2021). Rare loot box rewards trigger larger arousal and reward responses, and greater urge to open more loot boxes. *Journal of Gambling Studies, 37*, 141-163.
41. 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*, *28,* 283-291.
42. Yeung, R.C., & **Fernandes, M.A.** (2020). Recurrent involuntary autobiographical memories: Characteristics and links to mental health status. *Memory, 28*(6), 753-765.
43. 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.
44. Meade, M,E., Klein, M. & **Fernandes, M.A.** (2020). The benefit (and cost) of drawing as an encoding strategy. *Quarterly Journal of Experimental Psychology*, *73*(2), 199-210.
45. Roberts, B., Wammes, J., & **Fernandes, M.A**. (2020) Drawing with your eyes: Extending mnemonic research. *Mind Pad*, *9*(1), 3-7.
46. 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.
47. 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.
48. Wammes, J.D., Jonker, T. R., **Fernandes, M.A**. (2019). Drawing improves memory: The importance of multimodal encoding context. *Cognition, 191*, 103955.
49. 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.
50. 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.
51. Meade, M,E., Meade, J.G., Sauzeon, H., & **Fernandes, M.A.** (2019). Active navigation in virtual environments benefits spatial memory in older adults. *Brain Sciences*, 9(3), 47.
    *Selected as Editor's Choice feature.
52. Yeung, R.C., & **Fernandes, M.A.** (2019) Social anxiety enhances recognition of task-irrelevant threat words. *Acta Psychologica,194*, 69-76.
53. 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.
54. 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.
55. 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.

56. **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.
57. 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.
58. Lee, C., & **Fernandes, M.A.** (2017). Emotional encoding context leads to memory bias in individuals with high anxiety. *Brain Sciences.* 8(1), 6.
59. 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.
60. 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.
61. Wammes, J.D., & **Fernandes, M.A**. (2017). The residual protective effects of enactment. *Cognition, 184,* 87-101.
62. 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
63. **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.
64. 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.
65. 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.
66. 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.
67. 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.
68. Ahmad, F., **Fernandes, M.A.,** Hockley, W. (2015). Improving associative memory in older adults with unitization. *Aging Neuropsychology and Cognition, 22(*4), 452-472.
69. 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.
70. **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.
71. 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.
72. Tomaszczyk, J., & **Fernandes, M.A.** (2014). Age-related differences in attentional bias for emotional faces. *Aging, Neuropsychology, and Cognition, 21* (5), 544–559.
73. **Fernandes, M.A.** (2013). Strategies and factors that help or hinder memory. *The Journal of Gerontology: Psychological Sciences,* 68(6), 859-861.
74. **Fernandes, M.A.**, Wammes, J., & Hsiao, J. (2013). Representation of linguistic information determines its susceptibility to memory interference. *Brain Sciences, 3*, 1244-1260.
75. 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.
76. **Fernandes, M.A.,** Miller, E., & Michela, J. (2013). Alpha meals: Using cognitive psychology to

boost restaurant server performance. *Sage Open, April-June,* 1-6.

77. Tomaszczyk, J., & **Fernandes, M.A.** (2013). A positivity effect in older adults' memorability judgments of pictures. *Experimental Aging Research, 39,* 254-274.
78. Tomaszczyck, J., & **Fernandes, M.A.** (2012). A positivity effect in autobiographical memory, but not phonemic fluency, in older adults. *Aging, Neuropsychology, & Cognition, 19*, 699-722.
79. **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.
80. 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.
81. 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.
82. **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.
83. Danckert, S., MacLeod, C.M., & **Fernandes, M.A.** (2011). Source-constrained retrieval influences the encoding of new information. *Memory & Cognition, 39*, 137.
84. 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.
85. Skinner, E., Grady, C., & **Fernandes, M.A.** (2010) Reactivation of context-specific brain regions during retrieval. *Neuropsychologia, 48*, 156-164.
86. 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.
87. 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.
88. Skinner, E. & **Fernandes, M.A.** (2010) Effect of study context on item recollection. *Quarterly Journal of Experimental Psychology, 63(7),* 1318-1334.
89. 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.
90. **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.
91. Skinner, E., & **Fernandes, M.A.** (2009). Age-related changes in the use of study context to increase recollection. *Aging, Neuropsychology & Cognition, 16*, 377-400.
92. Skinner, E., & **Fernandes, M.A.** (2009b). Illusory recollection in older adults and young under divided attention. *Psychology & Aging,* 24, 211-216.
93. **Fernandes, M.A.,** Ross, M., Wiegand, M., & Schryer, E. (2008). Are the memories of older adults positively biased*? Psychology & Aging, 23,* 297-306.
94. **Fernandes, M.A.,** & Grady, C. (2008). Age differences in susceptibility to memory interference during recall of categorizable but not unrelated word lists. *Experimental Aging Research, 34*, 297-322.
95. 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.

96. Skinner, E. & **Fernandes, M.A.** (2008). Interfering with remembering and knowing: Effects of divided attention at retrieval. *Acta Psychologica, 127,* 211-221.
97. 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.
98. **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.
99. Skinner, E, & **Fernandes, M.A.** (2007). Neural correlates of recollection and familiarity: A review of neuroimaging and patient data. *Neuropsychologia, 45*, 2163-2179.
100. **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.
101. 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.
102. **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.
103. **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.
104. **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.
105. **Fernandes, M.A.,** & Moscovitch, M. (2003). Interference effects from divided attention during retrieval in younger and older adults. *Psychology & Aging, 18,* 219-230.
106. **Fernandes, M.A.,** & Moscovitch, M. (2002) Factors modulating the effect of divided attention during retrieval of words. *Memory & Cognition, 30*, 731-744.
107. **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.
108. **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.

Chapters in Books (total = 4):

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.

Technical Reports/Manuals (total = 2):

1. Sanford, A., Mulligan, B., Gittens, E., Norris, M., & **Fernandes, M.A.** (2024). Artificial intelligence and psychology. Briefing Note, *Canadian Psychological Association.*
2. **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 390/398 – Research Methods in Memory).

Submitted Articles (total = 6):

1. Tran, S., & **Fernandes, M.A.** (submitted October 2026). Can students learn effectively by observation alone? *Interactive Learning Environments*
2. Tanberg, P., **Fernandes, M.A.,** & MacLeod, C.M. (submitted October 2026). A Selective Encoding Boost Drives Item-Method Directed Forgetting. *Quarterly Journal of Experimental Psychology*
3. Tsapoitis, P., & **Fernandes M.A.** (invited resubmission, October 2026). The Limited Role of Attention on the Production Effect in Memory. *Psychonomic Bulletin & Review*
4. Kim, B., **Fernandes, M.A.**, & White, K. (submitted September 2026). Semantic Relatedness or Arousal: What drives the Emotional Enhancement in Memory? *Memory & Cognition*
5. Morales Valiente, C., Husein, K., & **Fernandes, M.A.** (invited resubmission, September 2026). Evaluating Computational Approaches to Sentiment Analysis in Narrative Memories of Younger and Older Adults. *Psychology & Aging*
6. Sivashankar, Y., & **Fernandes, M.A.** (invited resubmission, August 2026). The use of decision-making to mitigate age-related differences in spatial memory. *Aging, Neuropsychology, and Cognition*.

SCHOLARLY PRESENTATIONS

Invited Colloquia, Symposium, and Workshops (total = 57):

1. **Fernandes, M.A.** (March, 2026). Building Strong Memories: Encoding Strategies That Support Retrieval. Invited *Ebbinghaus Empire* colloquium speaker, Toronto, ON
2. **Fernandes, M.A.** (May 2025). Building the Future of Psychological Science. Invited panel speaker*, Association for Psychological Science*, Washington, DC, USA.
3. **Fernandes, M.A.** (May 2025). Do navigation aids help or hinder memory for routes travelled? *INRIA Bordeaux-Waterloo workshop*, Waterloo, ON
4. **Fernandes, M.A.** (February 2025). Dessiner améliore la mémorisation sur les plans quantitatif et qualitatif : le rôle des représentations corticales et du fonctionnement exécutif. Talk presented (in french) at *ACFAS : Le cerveau dans tous ses état*s. York University, Toronto, ON
5. **Fernandes, M.A.** (June 2024). Autobiographical memories evoked by music cues. *Canadian Society for Brain Behaviour & Cognitive Sciences Pre-conference Workshop.* Edmonton, AB.
6. **Fernandes, M.A.** (March 2024). Picture this: Encoding techniques that enhance memory and comprehension. Invited Colloquium, Department of Psychology, *Victoria University of Wellington*, Wellington, New Zealand.

7. **Fernandes, M.A.** (January 2024). Research in natural language processing: Ethical considerations. Invited talk, *Human Research Ethics Board*, Waterloo, ON.
8. **Fernandes, M.A.** & Yeung, R.C. (September 2023). Natural language processing in memory research (and beyond). Presentation to the Cognitive Neuroscience and Social areas, *University of Waterloo*, Waterloo, ON.
9. **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.
10. **Fernandes, M.A.** (April 2022). Why do certain encoding techniques enhance memory? Invited Colloquium. *Baycrest Hospital, Rotman Research Institut*e, Toronto, ON.
11. **Fernandes, M.A**. & Sivashankar, Y. (April 2022). How active encoding techniques can enhance memory. Invited Talk. Flowers Group, INRIA, *Institut des Maladies Neurodegeneratives, Mnemosyne Team, Neurocampus, INRIA*, Bordeaux, France.
12. 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.*
13. **Fernandes, M.A.** (March 2021). Nootropics vs. behavioral therapy for cognitive enhancement. *Queen's Undergraduate Neuroscience* Conference. Kingston, ON.
14. **Fernandes, M.A.** (March 2021). Drawing as a reliable technique to boost memory. Psychology Society Speaker Series, *Mount Allison University*, Sackville, NB.
15. **Fernandes, M.A.** (April 2019). Active versus passive encoding. Invited Colloquium. *Flowers Group, INRIA, Université de Bordeaux*, Bordeaux, France.
16. **Fernandes, M.A.** (November 2018). The surprising and powerful influence of drawing on memory: recent highlights. Invited Colloquium, *Rotman Research Institute,* Toronto, ON.
17. **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.
18. **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.
19. **Fernandes, M.A.** (March 2018). The surprising and powerful influence of drawing on memory. Invited Colloquium, Department of Psychology, *McMaster University*, Hamilton, ON.
20. **Fernandes, M.A.** (March 2018). Understanding the influence of drawing on memory. Invited Guest Seminar, Department of Kinesiology, *University of Waterloo*, Waterloo, ON.
21. **Fernandes, M.A.** (September 2017). What happens to our memories as we age? Invited Address for *Third Age Learning Society* Burlington, ON.
22. **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, SK.
23. **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.
24. **Fernandes, M.A.** (April 2016). Memory and aging. Invited Address for 'The Aging Dialogues', *The Museum*, Kitchener, ON.
25. **Fernandes, M.A.** (March 2016). How does your brain influence your behaviour? *Waterloo Unlimited – Youth outreach*, Waterloo, ON.

26. **Fernandes, M.A.** (March 2016). What happens to our memories as we age? Invited Address for *Third Age Learning Society* Owen Sound, ON.
27. **Fernandes, M.A.** (October 2015). What happens to our brains as we age? Invited Address for *Third Age Learning Society Guelph Chapter*, Guelph, ON.
28. **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.
29. **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.
30. **Fernandes, M.A.** (June 2015). What can interference effects tell us about episodic memory? Invited speaker, *Morris Moscovitch Festschrift*, University of Toronto, Toronto, ON.
31. **Fernandes, MA.** (September 2014). Factors affecting the cognitive behavioral and neural basis of memory. *York University* Neuropsychology Rounds Invited Talk, Toronto, ON.
32. **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.
33. **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.
34. **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.
35. **Fernandes, M.A.** (June 2012). How context at encoding can boost recollection during retrieval. *Canadian Society for Brain, Behaviour and Cognitive Science*, Kingston, ON.
36. **Fernandes, M.A.** (April 2011). Memory changes in younger and older adults. *Hong Kong University, Department of Psychology* colloquium series, Pokfulam, Hong Kong.
37. **Fernandes, M.A.** (January 2011). The influence of context on memory. *Wilfrid Laurier University*, Cognitive Neuroscience colloquium, Waterloo, ON.
38. **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.
39. **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.
40. **Fernandes, M.A.** (April 2010). Memory and aging Studies. *Rockway Menonite Seminar Series.* Kitchener, ON.
41. **Fernandes, M.A.** (March 2010). Design of the human brain. *Waterloo Unlimited – Youth outreach*, Waterloo, ON.
42. **Fernandes, M.A.** (November 2009). Factors influencing memory encoding and retrieval. *Centre de Recherche Institut Universitaire de Gériatrie de Montréal*, Montreal, QC.
43. **Fernandes, M.A** (October 2009). The human brain and its functions. *Waterloo District Catholic School Board, Enrichment Program*, Waterloo, ON.
44. **Fernandes, M.A.** (February 2009). Reactivating the contents of memory. *Lake Ontario Visionary Establishment (LOVE) Conference,* Niagara Falls, ON.
45. **Fernandes, M.A** (March 2009). Design of the human brain. Large and Small Group Workshops for *Waterloo Unlimited*, Waterloo, ON.
46. 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.

47. **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.
48. **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.
49. **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.
50. **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.
51. **Fernandes, M.A.** (June 2007). New methods of studying memory and language. *TENNET* 16, Montreal, QC.
52. **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.
53. **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.
54. **Fernandes, M.A.** (March 2006). What can we learn about memory from studies of divided attention? *Artificial Intelligence group, University of Waterloo, Waterloo,* ON.
55. **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.
56. **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.
57. 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 (total = 179):

1. **Fernandes, M.A.** & Sivashankar, Y. (2026). Does GPS guidance impair spatial memory? Effects of decision-making and motor engagement in younger and older adults. Talk presented at the *Memory Disorders Research Society*, Toronto, ON, Canada
2. Tsapoitis, P., Chouinard, J., Eliasmith, C. & **Fernandes, M.A.** (2026). Resilience of the production effect under divided attention: Converging evidence from a spiking neural network. Talk presented at *Canadian Society for Brain, Behaviour, and Cognitive Science* and *Experimental Psychology Society* annual meeting, Toronto, ON, Canada
3. Tayem, Tala, & **Fernandes, M.A.** (2026). Emotion Regulation and Well-Being: Consequences of mild traumatic brain injury in older adults. Poster presented at *Canadian Society for Brain, Behaviour, and Cognitive Science* and *Experimental Psychology Society* annual meeting, Toronto, ON, Canada
4. Drury, N., Husein, K., **Fernandes, M.A.** (2026). Sounds of the Past: Music-Cued Autobiographical Recall in Older Adults. Poster presented at *Canadian Society for Brain, Behaviour, and Cognitive Science* and *Experimental Psychology Society* annual meeting, Toronto, ON, Canada
5. Nayiga, K., & **Fernandes, M.A.** (2026). Unsteady Lines, Unshaken Recall: Why Handedness and Production Quality Does Not Affect the Drawing Benefit. Poster presented at *Canadian Society for*

Brain, Behaviour, and Cognitive Science and *Experimental Psychology Society* annual meeting, Toronto, ON, Canada

6. Tsapoitis, P., Chouinard, J., Eliasmith, C. & **Fernandes, M.A.** (2026). Modelling Strength Based Representations in Memory Using Spiking Neural Networks. Data Blitz and Poster presented at *Cognitive Neuroscience Society* annual meeting, Vancouver, BC, Canada
7. Husein, K., Morales Valiente, C., & **Fernandes, M.A.** (2026). Dictionary choice matters when selecting tools for sentiment analysis in younger versus older adult populations. Poster presented at *Cognitive Neuroscience Society* annual meeting, Vancouver, BC, Canada
8. Tayem, T., Cox, A., & **Fernandes, M.A.** (2026). Persistent deficits in attention errors and emotion regulation in young adults with a history of mTBI. Poster presented at *Cognitive Neuroscience Society* annual meeting, Vancouver, BC, Canada
9. Kim, B., **Fernandes, M.A.**, & White, K. (2026). What underlies differences in emotional expression in L1 and L2? Examining lexical properties of narratives. Poster presented at *Cognitive Neuroscience Society* annual meeting, Vancouver, BC, Canada
10. Husein, K., & **Fernandes, M.A.** (2025). Popular songs preferentially evoke autobiographical memories in younger and older adults by setting temporal context. Poster presented at the 66th Annual Meeting of the *Psychonomic Society*, Denver, USA.
11. Tsapoitis, P., & **Fernandes, M.A.** (2025). Do encoding techniques protect memory under divided attention? Poster presented at the 66th Annual Meeting of the *Psychonomic Society*, Denver, USA.
12. Husein, K., Morales Valiente, C., & **Fernandes, M.A.** (2025). Evaluating the performance of computational tools in assessing sentiment within narrative memories of younger and older adults. Talk presented at the *AI in Psychology CPA Satellite Conference*, Vancouver, BC
13. Husein, K., Ledezma, B., & **Fernandes, M.A.** (2025). Popular music evokes autobiographical memories in young and old: The role of cue type. Poster presented remotely at 18th *International Conference on Music Perception and Cognition*, São Paulo, Brazil
14. Kim, B., White, K., & **Fernandes, M.A**. (2025). Using sentiment analysis to characterize narrative memory for emotional videos: The role of language proficiency. Talk presented at joint meeting of *Canadian Society for Brain, Behaviour, and Cognitive Science* and *Experimental Psychology Society*, Dundee, Scotland.
15. Sivashankar, Y., & **Fernandes, M.A.** (2025). Route and Landmark Memory: The Role of Decision-Making During Encoding in Older Adults. Poster presented at joint meeting of *Canadian Society for Brain, Behaviour, and Cognitive Science* and *Experimental Psychology Society*, Dundee, Scotland.
16. Tsapoitis, P., & **Fernandes, M.A.** (2025). Can Production During Encoding Protect Memories from Divided Attention? Poster presented at joint meeting of *Canadian Society for Brain, Behaviour, and Cognitive Science* and *Experimental Psychology Society*, Dundee, Scotland.
17. Husein, K., Goel, L., Anderson, E., Yeung, R., Stastna, M., & **Fernandes, M.A.** (2025). Can computational sentiment analysis classify autobiographical memories? Comparing VADER and TextBlob. Talk presented at joint meeting of *Canadian Society for Brain, Behaviour, and Cognitive Science* and *Experimental Psychology Society*, Dundee, Scotland.
18. Kim, B., **Fernandes, M.A**., & White, K. (2025). Arousal vs. Relatedness: Unpacking the Emotional Enhancement in Memory. Poster presented at *Lake Ontario Visionary Establishment* conference, Niagara Falls, ON
19. Mawdsley, A., & **Fernandes, M.A.** (2025). How do cardiovascular health and stress impact test performance? The role of aging. Poster presented at *Lake Ontario Visionary Establishment* conference, Niagara Falls, ON

20. Husein, K., Goel, L., Anderson, E., Yeung. R.C., Stastna, M., & **Fernandes, M.A.** (2025). Can computational sentiment analysis classify autobiographical memories? Comparing VADER and TextBlob. Poster presented at *Lake Ontario Visionary Establishment* conference, Niagara Falls, ON
21. **Fernandes, M.A.** (2024). Drawing enhances memory: the role of cortical representations and executive functioning. Talk presented at the *Memory Disorders Research Society*, Manchester, UK
22. Tanberg, P., **Fernandes, M.A**., & MacLeod, C.M. (2024). A rapid selective retrieval account of intentional forgetting at encoding. Talk presented at the 65th Annual Meeting of the *Psychonomic Society*, New York City, NY, USA.
23. Tran, S. & **Fernandes, M. A**. (2024). Comparing encoding techniques: Insights from mixed- and pure-list designs. Poster presented at the 65th Annual Meeting of the *Psychonomic Society*, New York City, NY, USA.
24. Gionet, S., Tran, S. Guitard, D., **Fernandes, M.A.,** Saint-Aubin, J. (2024). The drawing effect in memory interacts with serial position: Evidence from a multi-lingual multi-site replication. Talk presented at the *Canadian Society for Brain, Behaviour, and Cognitive Science*, Edmonton, AB.
25. Husein, K., & Fernandes, M.A. (2024). How does popular music help you remember your past? Poster presented at the *Canadian Society for Brain, Behaviour, and Cognitive Science (CSBBCS)*, Edmonton, AB. **D.O. Hebb Student Award* Honourable mention, *CSBBCS*
26. Roberts, B., Tran, S., & **Fernandes, M.A.** (2024). Symbolism itself does not boost memory. Talk presented at the *Canadian Society for Brain, Behaviour, and Cognitive Science*, Edmonton, AB.
27. Kim, B., **Fernandes, M.A.,** & White, K. (2024). Exploring competing accounts of the emotional enhancement effect in memory. Poster presented at the *Canadian Society for Brain, Behaviour, and Cognitive Science*, Edmonton, AB.
28. Sivashankar, S., He, P., Tsapoitis, P., Skorski, E., Risko. E., & **Fernandes, M.A.** (2024). The necessity of motoric engagement in enhancing route memory. Talk presented at the *Interdisciplinary Navigation Symposium*, Merano, Italy.
29. Sivashankar, S., Bak. K., **Fernandes, M.A.,** & Campos. J. (2024). Does driving while listening affect landmark and route memory in younger and older adults? Poster presented at the Annual *Cognitive Neuroscience Society* meeting, Toronto, ON.
30. Yeung, R.C., Sokolowski, M.H., Fan, C., **Fernandes, M.A,** & Levine, B. (2024). The curse of imagery: Trait object and spatial imagery relate to trauma and stress outcomes. Poster presented at the Annual *Cognitive Neuroscience Society* meeting, Toronto, ON.
31. Tran, S., & **Fernandes, M.A** (2024). Can students effectively apply encoding techniques to support learning in person and online? Poster presented at the Annual *Cognitive Neuroscience Society* meeting, Toronto, ON.
32. Nurgitz, M., Levi, A., **Fernandes, M.A.,** Barense, M., Gilboa, A., Turner, G.R. (2024). Sketchnoting as a drawing-based memory encoding strategy in older adults. Poster presented at the Annual *Cognitive Neuroscience Society* meeting, Toronto, ON.
33. Sivashankar, S., Roberts, B., & **Fernandes, M.A** (2024). Enhancing memory using enactment in stroke patients: Assessing the role of semantic integration and cognitive planning. Poster presented at the *International Neuropsychological Society* meeting, New York, NY, USA.
34. Sivashankar, Y., He, P., Sauzéon, H., & **Fernandes, M. A**. (2023). Self-generated motor activity at encoding benefits route memory. Poster presented at the 64th Annual Meeting of the *Psychonomic Society*, San Francisco, CA, USA.
35. Tanberg, P., **Fernandes, M.A.,** & MacLeod, C.M. (2023). Recognized items resist intentional forgetting: A retrieval account of item-method directed forgetting. Talk presented at the 23rd conference of the *European Society for Cognitive Psychology (ESCOP),* Porto, Portugal.

36. Sivashankar, Y., **Fernandes, M. A.,** Oudeyer, P. Y., & Sauzéon, H. (2023). The beneficial role of curiosity on route memory in children. Poster presented at the 23rd Conference of the *European Society for Cognitive Psychology (ESCOP),* Porto, Portugal.
37. Sivashankar, Y., **Fernandes, M. A.,** & Sauzéon, H. (2023). The benefit of motoric engagement at encoding on route memory. Poster presented at the *Age Well* conference, Toronto, ON.
38. Tanberg, P., **Fernandes, M.A.,** MacLeod, C.M., & Hockley, W.E. (2023). Revisiting the Effect of Cue Duration in Item-Method Directed Forgetting. Poster presented at the annual meeting of the *Canadian Society for Brain, Behaviour, and Cognitive Science*, Guelph, ON.
39. Bernardo, V., & **Fernandes, M.A.,** (2023). Fluency of Learned Motor Sequences is Enhanced by Enactment. Poster presented at the annual meeting of the *Canadian Society for Brain, Behaviour, and Cognitive Science*, Guelph, ON.
40. Kim, B., Tran, S.H.N., & **Fernandes, M.A.** (2023). Copy this down" or "Repeat after me" – Comparing encoding techniques for learning korean characters. Poster presented at the annual meeting of the *Canadian Society for Brain, Behaviour, and Cognitive Science*, Guelph, ON.
41. Sivashankar, Y., **Fernandes, M. A**. (2023). The benefit of motoric engagement at encoding on route memory. Poster presented at the annual meeting of the *Canadian Society for Brain, Behaviour, and Cognitive Science*, Guelph, ON.
42. Cox, A.W. & **Fernandes, M.A**. (2023) Long-term psychological consequences of mild traumatic brain injuries (mTBI). Talk presented at the *Canadian Psychological Association* Convention, Toronto, ON.
43. Tran, S.H.N. & **Fernandes, M.A.** (2023). Can encoding techniques facilitate comprehension? Talk presented at the *Canadian Psychological Association* Convention, Toronto, ON.
44. Kim, B., Tran, S.H.N., & **Fernandes, M.A.** (2023) Comparing encoding techniques to maximize memory for Korean characters. Talk presented at the *Canadian Psychological Association* Convention, Toronto, ON.
45. Tran, S.H.N. & **Fernandes, M.A**. (2023). Drawing compared to writing in a diary enhances autobiographical memory in younger and older adults. Talk presented at the 7th Meeting of *Toronto Area Memory Group*, Toronto, ON.
46. Tran, S.H.N. & **Fernandes, M.A.** (2023). Drawing as an encoding tool to enhance memory for emotional words. Poster presented at the 50th Annual *Lake Ontario Visionary Establishment* Conference, Niagara Falls, ON.
47. 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.
48. 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.
49. 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.
50. 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.
51. 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.

52. 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.
53. 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.
54. 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.
55. 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.
56. 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.
57. 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.
58. 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.
59. 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.
    **Peter Graf Award for Excellence in Brain and Cognitive Science Research*
60. 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, USA.
61. 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, ON.
62. 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 Neuropscyhological Society Meeting*, New Orleans, USA (presented remotely).
63. 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, Waterloo, ON.
64. 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, USA.
65. 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, USA.
66. 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, USA.

67. **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
68. 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
    **D.O. Hebb Award* for Best student talk. *CSBBCS.*
69. 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.
70. 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.
71. 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.
72. 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.
73. 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.
74. 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, ON.
75. 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.
76. 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.
77. 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.
78. 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.
79. 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.
80. 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.
81. 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, ON.

82. 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, ON.
83. 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, ON.
84. 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, ON.
85. 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, USA.
86. **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.
87. **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.
88. 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.
    **D.O. Hebb Award* for Best Student Talk, CSBBCS.
89. 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.
90. 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.
91. 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.
    * *Best Upper Year Poster* Award at Psychology Discovery Conference, Waterloo, ON
92. 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.
93. Yeung, R., & **Fernandes, M.A.** (2018). Social anxiety enhances recognition of task-irrelevant threat words. Poster presented at the *International Neuropscyhological Society Meeting*, Washington, DC, USA.
94. 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.
95. 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.
96. **Fernandes, M.A.** (2017). Drawing as an Encoding tool. Talk presented at the *Memory Disorders Research Society*, Chicago, IL, USA.
97. 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.

98. 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.
    **D.O. Hebb award* Honourable mention for Best Student Talk, Toronto, ON.
99. 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.
100. 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, SK.
    * *D.O. Hebb award* for Best Student Talk, CSBBCS
101. 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.
102. 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, QC.
103. 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, ON.
104. 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, ON.
105. 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, ON.
106. 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.
107. 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.
108. 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.
109. 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.
110. 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.
111. 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.
112. 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.

113. 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, ON.
**D.O. Hebb Award* for Best Poster, CSBBCS.
114. 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, ON.
115. **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.
116. 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
117. **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.
118. 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.
119. 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.
120. **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.
121. 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.
122. 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.
123. 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.
**D.O. Hebb Award* Honourable Mention, CSBBCS
124. 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.
125. 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.
126. Tomazczyck, J. & **Fernandes, M.A.** (2013). Age-related differences in attentional bias for emotional faces. Poster presented at *American Psychological Society*, Washington, DC.
127. 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.

128. 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.
129. 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.
130. **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.
131. **Fernandes, M.A.** (2011). The influence of background context on memory in older adults. *Journal of Psychophysiology, Vol 25(Suppl 1),* 11.
132. **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.
133. Tomazczyck, 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.
134. 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.
135. 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.
136. 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.
137. 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.
138. 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.
139. Tomaszczyk, J., & **Fernandes, M.A.** (2010). A positivity bias in older adults' attention to scenes? Poster presented at *Cognitive Neuroscience Society*, Montreal, QC.
140. 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.
141. 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.
142. 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.
143. 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.
144. 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.

145. **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.
146. 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.
147. 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.
148. 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.
149. 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.
150. Skinner, E., & **Fernandes, M.A.** (2008). Recollection and susceptibility to misleading information following a mild head injury. Poster presented at *TENNET* 16, Waterloo, ON.

151. 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.
152. 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.
153. 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.
154. **Fernandes, M.A**., & Koji, S. (2008) How emotional context changes our evaluation of faces. Poster presented at the *Cognitive Aging Conference*, Atlanta, GA, USA.
155. 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.
156. **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.
157. 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.
158. 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.
159. **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.
160. 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.
161. 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.
162. Carter, K., & **Fernandes, M.A.** (2006). Conditions influencing traditional ear-advantage scores obtained on dichotic-listening tasks. Poster presented at *TENNET* 15, Montreal, QC.
163. **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.

164. **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.
165. **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, SK.
166. 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.
167. 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.
168. **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.
169. **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.
170. **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.
171. 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.
172. **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.
173. **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.
174. **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, USA.
175. **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.
176. **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.
177. 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.
178. 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.
179. **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

2026-2028 Elected to the Justice, Equity, Diversity & Inclusion committee, MDRS

2022-2028	Elected to the Governing Board of the *Psychonomic Society*
2011- 2026	Editorial Board for *Journal of Experimental Psychology: Learning, Memory, & Cognition* (APA journal)
2010- 2026	Editorial Board for *Psychology & Aging* (APA journal)
2010- 2026	Editorial Board for *Journal of Gerontology: Psychological Sciences* (Oxford journal)
2024-2025	External reviewer, *Canadian Association for Mental Health* grants, Toronto, ON
2017-2025	Mentor - *Women in Cognitive Science Canada*, at yearly conferences
2025	Poster judge - *Lake Ontario Visionary Establishment* conference, Niagara Fall, ON
2024	Hebb Award judge of Posters and Talks, *CSBBCS,* Edmonton, AB
2022-2024	*Canadian Psychological Association* (*CPA) Liaison* for CSBBCS
2020-2024	Head Co-Organizer of joint *CPA-CSBBCS* Career Fair virtual event; 100 attendees/year
2019-2024	Education & Training Committee member - *CPA*
2023	Past-President Symposium organizer, *CSBBCS* annual meeting, Guelph, ON
2023	Publications committee Reference letter writer for *Psychonomic Society*
2022	Certification: *Baycrest Memory & Aging Education Program* (administering courses)
2020	Panel speaker & Discussant on equity, racism & discrimination in academia, at *Cognitive Science* conference online event
2018-2020	Elected to Executive Board *CSBBCS*
2020	Mentor for *Publons* – training program for graduate students to review science articles
2018-2019	Head Organizer of the *CSBBCS* 2019 three-day-conference, Waterloo, ON; 456 attendees
2017- present	Mentor - *Women in Cognitive Science Canada*, at yearly conferences
2018-2019	Guest Editor for Special Issue in *Brain Sciences* on topic of Cognitive Aging
2018	Invited Symposium Organizer, *Development 2018*, St. Catherines, ON
2016	*Southern Ontario Neuroscience Society* conference co-organizer
ongoing	Ad-hoc Peer Reviewer for additional various International journals (approximately 6/year): *Acta Psychologica, Brain, Brain & Language, CABN, Cerebral Cortex, Cognitive Psychology, Emotion, J of Exp Psych: General, Journal of Neuroscience, Memory, Memory & Cognition, NeuroImage, Neuropsychologia, Psychological Science, Psych Bulletin & Review, Canadian JEP*

International

2025	External evaluator for Promotion and Tenure, *State University of New York at Geneseo*
2022	External evaluator for Promotion and Tenure, *University of Michigan Dearborn*
2021	External program reviewer, *Hong Kong University*, *Department of Psychology*
2016; 2020	External reviewer *Israel Science Foundation* grant
2017	External reviewer *Icelandic Research Fund* grant
2011	External reviewer for *National Science Foundation, USA* grants
2009	Poster and Presentation Award judge at *CSBBCS/EPS* meeting, York, UK
2007	External reviewer *Scottish Rite Foundation* grants

National

2006-2026	External reviewer of NSERC Discovery grants (average 1 per year)
2025	External evaluator for Promotion and Tenure, *University of Windsor*, Windsor, ON
2025	External evaluator for Promotion, *Memorial University*, St. John's, NL
2024	External evaluator for Promotion and Tenure, *York University*, Toronto, ON
2024	External evaluator for Promotion and Tenure, *MacEwan University*, Calgary, AB
2023	Program Evaluator for Psychology Dept., *Saint Mary's University*, Halifax, NS
2023	External evaluator for Promotion & Tenure, *University of Alberta*, Edmonton, AB
2020-2022	*Canadian Consortium of Researcher Presidents* committee member
2020	External evaluator for Promotion & Tenure, *Brock University*, St Catherines, ON
2020	External evaluator for Promotion & Tenure, *University of Toronto*, Toronto, ON

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-organizer
2015 External reviewer of 1 *SSHRC* research operating grant
2013 Appointed Mentor at *CIHR's Summer Institute of Aging*, Toronto, ON
2013 Presentation Award judge at *Southern Ontario Neuroscience Association*
2011- 2013 Ontario Early Researcher Award Review Panel: *Ministry of Research & Innovation*
2011- 2012 *NSERC Scholarships Selection Committee*: Psychology Selection Committee
2011- 2012 Grants & Fellowships Review Panel Board member – *Alzheimer Society of Canada*
2012 Presentation Award judge at *CSBBCS,* annual meeting, Kingston, ON
2012 Symposium organizer, *CSBBCS* annual meeting, Kingston, ON
2010 External reviewer for *Canadian Foundation for Innovation* grants
2010 Graduate Conference co-organizer "*Southern Ontario Neuropsychology Group*", Ryerson University, Toronto, ON
2008 Graduate Conference Organizer "*Southern Ontario Neuropsychology Group*"
2007 Symposium organizer, *Theoretical and Experimental Neuropsychology (TENNET)* International conference June 2007, Montreal, Quebec
2006-2008 Review Panel member *Ontario Graduate Scholarships*
2004-2007 TENNET Conference Committee

University

2025-2026 *Waterloo Awards Committee*, University of Waterloo
2022-2023 *University Tenure & Promotion Committee,* Faculty of Arts representative
2005-present Director and Founder of the *Waterloo Research in Aging Participant (WRAP) Pool*

- recruit and manage 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 used to recruit seniors for research studies; oversee WRAP coordinator training and budget management.

2021 Reviewer of *Network for Aging Research*, University of Waterloo grants
2018 *UWaterloo Graduate Studies Scholarship Workshop* – Faculty of Arts
2017 *Directions in Leadership* roundtable meeting with *UWaterloo* President
2017 University of Waterloo's *Network for Aging Symposium* invited mentor May 2017
2017 *Waterloo Unlimited* Youth Outreach discussant with high school attendees
2017 *University of Waterloo - Academic Leadership Framework* Roundtable
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-Organiser with Dr. Igor Grossman of "*Successful Aging Speaker Series*"

Faculty

2023-2024 *Arts First* Advisory Committee
2012-2014 Co-op Advisory Board – Faculty of Arts
2012 Arts Task Force – Faculty of Arts Strategic Planning
2011; 2013 Arts Orientation Volunteer

Department

2025-2026	Colloquium Committee, Department of Psychology
2023-2025	Area Head Cognitive Neuroscience, Department of Psychology
2023-2024	Executive committee, Department of Psychology
2023	Appointed to Social Area Hiring Committee
2023	Panel speaker, Graduate school applications info session, Dept. of Psychology
2023	Nominator for Dr. MacLeod, Clifford Leadership award *Psychonomic Society*
2022-2023	*Promotion & Tenure* Committee, Department of Psychology
2022	Organizer, *Professional Development Day* for Cognitive Neuroscience and Cognition
2020-2021	Executive Committee member, Human Resources Management program
2019-2020	Promotion & Tenure Committee, Department of Psychology
2016	Organizer of *Workshop on Teaching Tips* –Department of Psychology
2016	Assigned Mentor for junior faculty Department of Psychology
2015	Tenure and Promotion Committee, Department of Psychology
2015	Panel Member, Professional Issues, Faculty of Arts
2012-2014	Associate Chair Undergraduate Studies Psychology
2011	Administrative Officer Hiring Committee
2010-2011	Committee member, New Participant Reimbursement Procedure
2008-2010	Executive Committee Representative, Cognitive Neuroscience area

Community Outreach and Engagement

- *Memory and Aging* (September 16th 2026). Community outreach talk at Kitchener Headquarters Jamatkhana - Ismaili Community Centre, Kitchener, ON
- *A look back at Psychology Month and a look forward for Psychology* (March 2026) interview for Canadian Psychological Association article, Ottawa, ON
- *What happens to memory as we age?* (February 10th 2026). Talk for Women's Awareness Group, Waterloo, ON
- *Understanding Memory*. (February 18th 2026). Interview for Country Guide, a national magazine for Canadian farmers, Waterloo, ON
- *What Does the Future Hold for Psychological Science? (May 2025)* The Observer, Association for Psychological Science, Washington, DC
- *Music cues Memory* (June 25th, 2025) CJOB 680, "The Jim Toth Show". Live radio interview, Winnipeg, Manitoba
- *Effectiveness of music on cognition*. (January 25th, 2025). *The Record* interview.
- *Memory and Navigation* (January 18th, 2024). Interview for *Innovations Horizons EU article,* Waterloo, ON.
- *Drawing & Memory* (March 27th, 2023). Interview for *Rosa Productions* for *BBC Radio4*, United Kingdom.
- *ProfsPresent series at Grand River Hospital*. (November 23rd, 2022). Invited speaker. Drawing as a reliable technique to boost memory. Kitchener-Waterloo, ON.
- *SySTEM Mentorship: Discovery Stream for Youth in Ontario* (September 21st, 2022). Invited speaker. Understanding the landscape for girls in science, creating opportunities and strategies for success. Guelph, ON
- *CBC Quirks & Quarks with Bob McDonald* (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, Waterloo, ON.
- Podcast for *The BrainCore Series*, University of Toronto (November 22nd, 2020), Toronto, ON: 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, Hamilton, ON.
- 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, Hamilton, ON.
- *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), Waterloo, ON.
- Enrichment program for Grade 7/8 *Waterloo Catholic District School Board*. Public Speaker (2010; 2011; 2014), Waterloo, ON.
- Featured News article on my research in Aging & Memory; Researcher Profile in *The Goan Voice*, *India.* 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), Waterloo, ON.
- 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), Waterloo, ON.

TEACHING

Undergraduate Courses:

PSYCH 390 Research Methods in Memory,
Spring 2026, 2024, 2022, Winter 2023, 2021, 2020
PSYCH 363 Everyday Memory
Fall 2025
PSYCH 461 Case Studies in Neuropsychology
Fall 2025, 2020, 2010, Spring 2021, Winter 2010
PSYCH 398 Research Methods in Memory
Winter 2019, 2016, 2008, 2007, 2006, 2005, Spring 2017, 2012, 2010, 2009

ARTS 130 Mindtools to Maximize Memory
Fall, 2024, 2023, 2022
PSYCH 461 Cognitive Neuroscience of Memory
Fall 2017, 2016, 2015, 2011, 2005
PSYCH 499 Honours Thesis Coordinator
Winter 2023, Spring 2013, 2012
PSYCH 261 Introduction to Physiological Psychology
Fall 2008, 2006
PSYCH 207 Introduction to Cognition
Spring 2005

Graduate Courses:

PSYCH 790 Case Studies in Neuropsychology
Spring 2023, 2009, Fall 2010
PSYCH 781 Cognitive Neuroscience of Memory
Spring 2024, 2014, Winter 2020, 2010, 2006, Fall 2016
PSYCH 677A Fundamentals of Neuroscience
Fall 2024, 2011
Guest Lectures
PSYCH 677A Fundamentals of Neuroscience
Fall 2026, 2022, 2019, 2017, 2015, 2013, 2009, 2008, 2005

Other Course:

Cognitive Aging; Winter 2017, *Laurier University*, Lifelong Learning Association

Completed Graduate Student Supervision

Graduate Supervisor of Completed Ph.D. Thesis:

Year	Student Name	Thesis Title
2025	Yadurshana Sivashankar	Identifying the Relative Contribution of Motoric and Cognitive Engagement on Spatial Memory
2024	Pelin Tan (co-supervised)	Intentional Forgetting: The Role of Retrieval in Encoding
2023	Brady Roberts (co-supervised)	On Memory for Everyday Symbols
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)	The interaction between retrieval and encoding processes in memory
2009	Erin Skinner	The influence of study context on recollection

Graduate Supervisor of Completed Master's Thesis:

Year	Student Name	Thesis Title
2026	Patrick Tsapoitis	The Limited Role of Attention in the Production Effect: Converging Evidence from Behavioural & Computational Methods
2025	Brian Kim (co-supervised)	Semantic Relatedness or Arousal: What Drives Enhancement of Memory for Emotional Words?
2025	Khalil Husein	Cued by music: Eliciting autobiographical memories across the lifespan and assessing their emotionality
2023	Adam Cox	Long-Term Consequences of Mild Traumatic Brain Injury in Younger Adults on Cognitive Performance and Emotional Regulation: Comparisons with Older Adults
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 Tomaszczyck	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:

Year	Student Name
2026 – present	Brian Kim
2025 – present	Khalil Husein
2021 – present	Sophia Tran
2022	Sebastien Gionet (Research Internship for 4 months from *University of Moncton*)

Supervisor of Master's Thesis:

Year	Student Name
2026-present	Annie Nguyen
2025 – present	Tala Tayem
2017	Astrid Aernoudts (Research Internship for 4 months from *Leiden University, Netherlands*)

Awards Won by Graduate Students from my Laboratory:

2026	Khalil Husein	*CPA Certificate of Excellence* for Masters thesis
2025	Khalil Husein	*NSERC*–PGS-Doctoral
2025	Tala Tayem	*CIHR*- CGSM
2025	Patrick Tsapoitis	*NSERC*-CGSM
2025	Brian Kim	*GradFlix* – Faculty of Arts winner; University of Waterloo finalist
2024	Khalil Husein	*CSBBCS Hebb Award* Honourable Mention for Best Poster; *CPA* Student Grant Award; OGS/ *Queen Elizabeth Scholarship*
2023	Khalil Husein	*NSERC* CGS-Masters
2023	Brady Roberts	NSERC postdoctoral Fellowship (tenure at *University of Chicago*)
2023	Ryan Yeung	NSERC postdoctoral Fellowship (tenure at *Rotman Research Inst.)*
2023	Sophia Tran	*NSERC* CGS-Doctoral
2023	Yadurshana Sivashankar	*NSERC* CGS-Doctoral
2022	Pelin Tanberg	*Michael Smith NSERC Foreign supplement* Award (*University of Zurich*)
2022	Sophia Tran	*Peter Graf Award*, Canadian Psych Assoc. OGS/ *Queen Elizabeth Scholarship in Science & Technology*
2022	Yadurshana Sivashankar	OGS/*Queen Elizabeth Scholarship in Science & Technology*
2021	Yadurshana Sivashankar	*Mitacs* Globalink Award
2021	Brady Roberts	*CSBBCS Hebb Award* 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
2019	Melissa Meade	NSERC postdoctoral Fellowship (tenure at *University of Toronto)*
2018	Chris Lee	Recipient *UW Best Upper Year Poster,* Graduate Discovery Conf.
2018	Melissa Meade	Recipient of *CSBBCS Hebb Award* for Best Talk (for 2nd time)
2018	Chris Lee	Ontario Graduate Scholarship for 2018-2019
2017	Jeffrey Wammes	NSERC postdoctoral Fellowship (tenure at *Yale University)* Recipient *UW Outstanding Achievement in PHD Studies* Award
2017	Melissa Meade	Recipient of *CSBBCS Hebb Award* for Best Talk
2017	Jeffrey Wammes	Nominated for *Alumni Gold Medal PhD level* UW
2016	Melissa Meade	*NSERC* PGS-Doctoral
2015	Melissa Meade	Recipient *UW Outstanding Achievement in Graduate Studies*
2015	Melissa Meade	Nominated for *Alumni Gold Medal Masters level* UW
2015	Jeff Wammes	Recipient of *CSBBCS Hebb Award* for Best Poster
2014	Jeff Wammes	*NSERC* CGS-Doctoral
2014	Lana Ozen	Postdoctoral Fellowship – *Network Centres of Excellence Canada*
2014	Melissa Meade	Short-listed for *CSBBCS Hebb Student Poster Award*
2013	Jeff Wammes	Honourable Mention *CSBBCS Hebb Student Poster Award*
2013	Jennifer Tomaszczyk	Postdoctoral Fellowship from *CIHR* and Travel Grant from *CIHR*
2012	Lana Ozen	Postdoctoral Fellowship from *Alzheimer Society of Canada*
2012	Jennifer Tomaszczyk	Postdoctoral Fellowship *University Health Network*

		Short list at *CSBBCS* conference for Best Talk
		Best Talk Award; Waterloo Graduate student conference
2010	Lana Ozen	*Best Talk Award;* Waterloo Graduate student conference
2009	Erin Skinner	*Warren Ober Award* 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; Medical College of Wisconsin

Undergraduate Supervision

Honours Thesis students

Year	Student Name	Topic/Thesis Title
2026-2027	Taylor Ross	The Effect of Drawing on Memory for Emotional Sentences: The Influence of Object Imagery Ability and Mental Health
2025-2026	Nadya Drury (Department Thesis Award)	Techniques to improve memory in aging: motivation versus encoding strategy
2025-2026	Karen Nayiga	Motor contribution to the drawing effect
2024-2025	Amelia Mawdsley	How does cardiovascular health impact test performance? The role of aging
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 Thesis 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 Thesis 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 Thesis 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 Thesis Award)	Investigating an attentional locus for deficits in destination memory in older adults
2011-2012	Niron Khan	Context-Specific brain networks during retrieval
2011-2012	Bethany Delleman (Department Thesis 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 Thesis 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	Effect of emotion on perception and memory for faces

	(Department Thesis Award)	
2006-2007	Emma Guild (Department Thesis 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 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

WORK PLACEMENT OF PAST GRADUATE STUDENTS

Dr. Yadurshana Sivashankar (defended PhD December 2025) - Postdoctoral Fellow with *Connected Minds* (2026-present), York University, Toronto, ON.

Dr. Pelin Tan (defended PhD May 2024) – NSERC Postdoctoral Fellow (2025-present), University of Toronto, Toronto, ON.

Adam Cox (completed Masters 2023) – Concussion Research Lab Associate (2024-present), Royal Ottawa Mental Health Hospital and CHEO Research Institute, Ottawa, ON.

Dr. Brady Roberts (defended PhD July 2023) – NSERC Postdoctoral Fellow (2023-present), University of Chicago, Illinois, USA.

Dr. Ryan Yeung (defended PhD August 2022) – NSERC Postdoctoral Fellow (2023-2025), Schmidt AI fellowship (2025-present), Baycrest Hospital: Rotman Research Institute, Toronto, ON.

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

Dr. Melissa Meade (defended PhD September 2019) – Assistant Professor (2022-present), 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-present), 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-present), 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-present) & 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-present), University of Victoria, Institute on Aging & Lifelong Health, and Recreation Manager (2021), Revera 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) - Science Associate (2015-present), Krembil Research Institute, University Health Network, Toronto, ON.

Dr. Stacey Danckert (defended PhD 2011) - Co-Director Waterloo Region Environmental Network (2015-present); 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) – Professor & Chair, Department of Psychology, Langara College, Vancouver, BC. (2011-present)

Tracee Francis (completed Masters 2005) – Clinical Psychologist, PhD University of Chicago 2010; now in private practice, Boston, USA.