March 25, 2026

KAREN L. CAMPBELL

Curriculum Vitae

Department of Psychology
Brock University
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ACADEMIC POSITIONS

2025- Professor and Canada Research Chair in Cognitive Neuroscience of Aging, Department of Psychology, Brock University

2024- Graduate Program Director, Department of Psychology, Brock University

2021-2025 Associate Professor and Canada Research Chair in Cognitive Neuroscience of Aging, Department of Psychology, Brock University

2017-2021 Assistant Professor and Canada Research Chair in Cognitive Neuroscience of Aging, Department of Psychology, Brock University

2015-2016 Postdoctoral Fellow, Department of Psychology, Harvard University
Supervisor: Dr. Daniel Schacter

2013-2015 Postdoctoral Associate, Department of Psychology, University of Cambridge
Supervisors: Prof. Lorraine Tyler and Prof. Rik Henson

FORMAL EDUCATION

2012 Ph.D. in Psychology, University of Toronto
Dissertation: *Binding too much rather than too little: Age differences in attentional control and the implications for associative memory*
Supervisors: Dr. Lynn Hasher and Dr. Cheryl Grady

2007 M.A. in Psychology, University of Toronto
Thesis: *Age-related differences in memory for frequency of occurrence of emotional words*
Supervisors: Dr. Lynn Hasher and Dr. Cheryl Grady

2004 Hons. B.Sc. in Psychology with High Distinction, University of Toronto

RESEARCH GRANTS

Refereed external grants

2024-2029 **Campbell, K. L.** (PI). *The effects of age differences in attentional control on memory for naturalistic stimuli*. Natural Sciences and Engineering Research Council (NSERC) Discovery Grant. ($235,000)

2023-2025 Rajah, M. N., (PI), Chertkow, H. M. (Co-PI), Dixon, R. A. (Co-PI), Einstein, G. (Co-PI), Stern, Y. (Co-PI), … & **Campbell, K. L.** (co-I). *Brain Resilience and Diversity in Aging and Dementia: A collaboratory for promoting equity in brain health research*. Canadian Institutes of Health Research (CIHR), Knowledge Synthesis and Mobilization Grant. ($99,452)

2023-2028 **Campbell, K. L.** (PI). *Cognitive neuroscience of aging*. Natural Sciences and Engineering Research Council (NSERC) Tier 2 Canada Research Chair. ($500,000)

2022-2027 Cole, C. D., Weinberg, J., Bodnar, T., Raineki, C., McLachlan, K., & **Campbell, K. L.** (co-I). *A multisite study of prenatal alcohol exposure: Effects of inflammation and endocrine dysfunction in adulthood.* National Institutes of Health (NIH): National Institute on Alcohol Abuse and Alcoholism. ($2,362,877)

2022-2027 **Campbell, K. L.** (PI), Olsen, R. K., Geerligs, L., & White, S., *Associative memory across the adult lifespan: Neural mechanisms and a novel technique for remediation*. Canadian Institutes of Health Research (CIHR), Project Grant. ($340,425)

2021-2024 Evans, A. C., …**Campbell, K. L.** (Co-I) et al. *EEGNet: An EEG platform for national and international EEG-based neuroscience*. Brain Canada Foundation Platform Support Grant. ($1,941,000).

2019-2024 **Campbell, K. L.** (PI), *Aging and associative memory: Neural mechanisms and implications for everyday life*. Ontario Ministry of Research, Innovation and Science, Early Researcher Award. ($150,000)

2019 **Campbell, K. L.** (PI), *Eye movements and electrophysiological activity as markers of age-related cognitive change*. Canada Foundation for Innovation, John R. Evans Leaders Fund. ($190,690)

2017-2024 **Campbell, K. L.** (PI), *Aging and the loss of control over memory.* Natural Sciences and Engineering Research Council (NSERC) Discovery Grant. ($210,000; includes Early Career and COVID-19 extensions)

2017-2022 **Campbell, K. L.** (PI), *Aging and memory: The ubiquitous effects of reduced attentional control*. Natural Sciences and Engineering Research Council (NSERC) Tier 2 Canada Research Chair. ($500,000)

2017-2018 **Campbell, K. L.** (PI), *Age differences in voluntary vs involuntary retrieval*, Toronto Neuroimaging Facility Stimulus Grant, Department of Psychology, University of Toronto. (20 hours of free scanning, equivalent to $9000)

Refereed internal grants

2023-2025 **Campbell, K. L.** (PI), *Neural underpinnings of hyper-binding in aging*, Council for Research in the Social Sciences (CRISS) Seed Grant, Faculty of Social Sciences, Brock University. ($3000)

2021-2022 **Campbell, K. L.** (PI), O'Connor, A., Hall, W., *Exploring younger and older adults' implicit and explicit honesty attitudes*, Brock SSHRC Institutional Explore Grant. ($7115)

2020-2022 **Campbell, K. L.** (PI), *The effect of age and episodic simulation on willingness to help during the COVID-19 pandemic*, Council for Research in the Social Sciences (CRISS) Seed Grant, Faculty of Social Sciences, Brock University. ($3000)

2017-2019 **Campbell, K. L.** (PI), *Neural mechanisms of stereotype threat in aging: Why expecting to fail makes you fail*, Council for Research in the Social Sciences (CRISS) Seed Grant, Faculty of Social Sciences, Brock University. ($3000)

ACADEMIC DISTINCTIONS AND AWARDS

2021 Outstanding Co-op Supervisor (nominated by student), Brock University
2020 Early Career Award, Psychonomic Society ($2500), leading organization in the experimental study of cognition (4300 members worldwide)
2019 Elected member of Memory Disorders Research Society
2018 Psychonomic Society Fellow
2016 Canadian Institutes of Health Research Travel Award ($1000)
2016 Postdoctoral Award for Professional Development, Harvard University ($750)
2015-2017 Canadian Institutes of Health Research Postdoc Fellowship ($100,000, declined)
2014 Charles Slater Travel Award, University of Cambridge (£500)
2011-2012 Ontario Graduate Scholarship ($15,000)
2011-2012 Doctoral Completion Award, University of Toronto ($18,000, declined)
2011 Canadian Institutes of Health Research Age + Prize ($1000), for my paper "Hyper-binding: A unique age effect" in *Psychological Science*.
2011 J. Davidson Ketchum Graduate Scholarship in Psychology, University of Toronto ($5000)
2008-2010 Natural Sciences and Engineering Research Council Post-Graduate Scholarship ($42,000)
2009 APA Convention Poster Award, 1st place in Experimental Psychology
2004 Treble Gold Medal (for highest graduating GPA in Life Sciences), Victoria College, University of Toronto

PUBLICATIONS

Papers in peer-refereed journals (h-index = 31, Google Scholar)

** Denotes a graduate student collaborator*
*** Denotes an undergraduate student collaborator*

62. Rajah, M.N., Dixon, R.A., Einstein, G., Stern, Y., & The Brain Resilience and Diversity in Aging and Dementia Collaboratory (2026). A roadmap for conducting more inclusive research on brain resilience in ageing and dementia. Nature Reviews Neuroscience. https://doi.org/10.1038/s41583-025-01021-1
➔ I am a member of the Collaboratory

61. Lugtmeijer, S., Oetringer, D.*, Geerligs, L., & **Campbell, K. L.** (2025). Temporal dedifferentiation of neural states with age during naturalistic viewing. *Communications Biology, 8*, 1390.

60. Henderson, S. E.*, Oetringer, D.*, Geerligs, L., & **Campbell, K. L.** (2025). Neural state changes during movie watching relate to episodic memory in younger and older adults. *Cerebral Cortex, 35*. DOI: 10.1093/cercor/bhaf114

59. Davis, E. E.*, Thomas, H. G.**, Price, M. S.**, Mahy, C. E. V., & **Campbell, K. L.** (2025). Differential attentional demands on implicit and explicit associative memory in children 8-12 years old. *Memory 33(5),* 527–541. https://doi.org/10.1080/09658211.2025.2493337.

58. Mooraj, Z., Salami, A., **Campbell, K. L.**, Dahl, M. J., Kosciessa, J. Q., Nassar, M. R., Werkle-Bergner, M., Craik, F. I. M., Lindenberger, U., Mayr, U., Rajah, M. N., Raz, N., Nyberg, L., & Garrett, D. D. (2025). Towards a functional future for the cognitive neuroscience of human aging. *Neuron, 113,* 154-183.

57. Torres, R. E.*, Duprey, M. S.**, **Campbell, K. L.,** & Emrich, S. M. (2024). Not all objects are created equal: The object benefit in visual working memory is supported by greater recollection-like memory, but only for memorable objects. *Memory & Cognition*. https://doi.org/10.3758/s13421-024-01655-z

56. **Campbell, K. L.**, & Davis, E. E.* (2024). Hyper-binding: Older adults form too many associations, not too few. *Current Directions in Psychological Science, 33*, 292-299*. https://doi.org/10.1177/09637214241263020*

55. Fenerci, C.*, Davis, E. E.*, Henderson, S.*, **Campbell, K. L.**, & Sheldon, S. (2024). Shift happens: Aging alters the content but not the organization of memory for complex events. *Aging, Neuropsychology, and Cognition*, 32, 118–141.

54. Henderson, S.*, Ryan, A. D.*, Atack, L. W.**, & **Campbell, K. L.** (2024). Model-based mind wandering in older adults: Age differences in the behavioural and electrophysiological correlates of subjective and objective measures of mind wandering. *Journal of Cognitive Neuroscience, 36,* 2029-2044. doi: 10.1162/jocn_a_02195.

53. Guardia, T. *, Cote, K., Healey, M. K., Gammage, K. L., & **Campbell, K. L.** (2024). Self-reported physical activity and sleep quality is associated with working memory function in middle-aged and older adults during the COVID-19 pandemic. *Aging, Neuropsychology, and Cognition, 31,* 1176-1195. DOI: 10.1080/13825585.2024.2333066

52. O'Connor, A. M.*, Hall, W., Mahy, C. E. V., & **Campbell, K. L.** (2024). Younger and older women, but not men, are implicitly biased to associate honesty with children. *Journal of Applied Research in Memory & Cognition*. https://doi.org/10.1037/mac0000172

51. Ryan, A. D. * & **Campbell, K. L.** (2024). Time spent imagining does not influence younger and older adults'

episodic simulation of helping behaviour. *Aging, Neuropsychology, & Cognition,* 31, *1131-1148*. DOI: 10.1080/13825585.2024.2327677

50. Davis, E. E.*, Tehrani, E. K.**, & **Campbell, K. L.** (2024). Some young adults hyper-bind too: Attentional control relates to individual differences in hyper-binding. *Psychonomic Bulletin & Review, 31,* 1809-1820*. https://doi.org/10.3758/s13423-024-02464-w*

49. Ryan, A. D.*, Smitko, R.**, & **Campbell, K. L.** (2023). The effects of situation similarity on episodic simulation of helping behaviour in younger and older adults. *Scientific Reports, 13,* 9167. doi.org/10.1038/s41598-023-36189-y

48. Henderson, S. E.*, & **Campbell, K. L.** (2023). Reduced distinctiveness of event boundaries in older adults with poor memory performance. *Psychology & Aging*, 38, 401-414. https://doi.org/10.1037/pag0000765

47. O'Connor, A. M.*, Hall, W., & **Campbell, K. L.** (2023). Rating the honesty of White and Black children via implicit and explicit measures: Implications for child abuse victims. *Child Maltreatment, 28,* 450–461. https://doi.org/10.1177/10775595231173363

46. Guardia, T.*, Mazloum-Farzaghi, N.*, Olsen, R. K., Tsvetanov, K. A., & **Campbell, K. L.** (2023). Associative memory is more strongly predicted by age-related differences in the prefrontal cortex than medial temporal lobes. *NeuroImage: Reports, 3*, 100168. https://doi.org/10.1016/j.ynirp.2023.100168
➔ This paper was published before the editors of NeuroImage and NeuroImage:Reports resigned (more information can be found here: https://direct.mit.edu/imag/pages/impact-statement)

45. Torres, R. E.*, Emrich, S. M., & **Campbell, K. L.** (2023). Age differences in the use of positive and negative cues to filter distracting information from working memory. *Attention, Perception, & Psychophysics, 85,* 1207-1218. doi.org/10.3758/s13414-023-02695-4

44. Lugtmeijer, S., Geerligs, L., Tsvetanov, K. A., Mitchell, D. J., Cam-CAN, & **Campbell, K. L.** (2023). Lifespan differences in visual short-term memory load-modulated functional connectivity. *NeuroImage, 270,* 119982. https://doi.org/10.1016/j.neuroimage.2023.119982
➔ This paper was published before the editors of NeuroImage and NeuroImage:Reports resigned (more information can be found here: https://direct.mit.edu/imag/pages/impact-statement)

43. Ryan, A. D.*, O'Connor, B. B., Schacter, D. L., & **Campbell, K. L.** (2022). Episodic simulation of helping behaviour in younger and older adults during the COVID-19 pandemic. *Journal of Applied Research in Memory & Cognition, 12*, 443-456.

42. Geerligs, L., Gözükara, D.*, Oetringer, D.*, **Campbell, K. L.**, van Gerven, M., & Güçlü, U. (2022). A partially nested cortical hierarchy of neural states underlies event segmentation in the human brain. *eLife. https://doi.org/10.7554/eLife.77430*

41. Davis, E. E.*, & **Campbell, K. L.** (2023). Event boundaries structure the contents of long-term memory in younger and older adults. *Memory, 31*, 47-60.

40. Tibon, R., Geerligs, L., & **Campbell, K. L.** (2022). Bridging the big (data) gap: Levels of control in small- and

large-scale cognitive neuroscience research. *Trends in Neurosciences, 45,* 507-516.

39. Guardia, T.*, Geerligs, L., Tsvetanov, K. A., Ye, R., & **Campbell, K. L.** (2022). The role of the arousal system in age-related differences in cortical functional network architecture. *Human Brain Mapping, 43*, 985–997.

38. Henderson, S. E.*, Hall, S. A., Callegari, J. M.**, Desjardins, J. A., Segalowitz, S. J., & **Campbell, K. L.** (2022). Increased alpha suppression with age during involuntary memory retrieval. *Psychophysiology, 59, e13947. DOI: 10.1111/psyp.13947.*

37. Ryan, A. D.*, & **Campbell, K. L.** (2021). The ironic effect of older adults' increased task motivation: Implications for neurocognitive aging. *Psychonomic Bulletin & Review, 28, 1743-1754. https://doi.org/10.3758/s13423-021-01963-4*

36. Davis, E. E.*, Chemnitz, E.**, Collins, T. K., Geerligs, L., & **Campbell, K. L.** (2021). Looking the same, but remembering differently: Preserved eye-movement synchrony with age during movie-watching*. Psychology and Aging*, 36, 604-615. https://doi.org/10.1037/pag0000615.

35. Davis, E. E.*, Foy, E. A.**, Giovanello, K. S., & **Campbell, K. L.** (2021). Implicit associative memory remains intact with age and extends to target-distractor pairs. *Aging, Neuropsychology, & Cognition, 28, 455-471. DOI: 10.1080/13825585.2020.1782827.*

34. **Campbell, K. L.,** Lustig, C., & Hasher, L. (2020). Aging and inhibition: Introduction to the special issue. *Psychology and Aging*, *35*, 605-613.

33. Henderson, S. E.*, Lockhart, H. A.*, Davis, E. E.*, Emrich, S. M., & **Campbell, K. L.** (2020). Reduced attentional control in older adults leads to deficits in flexible prioritization of visual working memory. Brain Sciences, 10, 542.

32. O'Connor, A. M.*, **Campbell, K. L.**, & Mahy, C. E. V. (2020). Younger and older adults' prospective memory: The role of delay task difficulty. *Aging, Neuropsychology, and Cognition, 28,* 184-200.

31. Strömmer, J. M.*, Davis, S. W., Henson, R. N., Tyler, L. K., Cam-CAN, & **Campbell, K. L.** (2020). Physical activity predicts population-level age-related differences in frontal white matter. *Journals of Gerontology: Biological Sciences, 75*, 236-243.

30. Geerligs, L., Cam-CAN, & **Campbell, K. L.** (2018). Age-related differences in information processing during movie watching. *Neurobiology of Aging, 72*, 106-120.

29. **Campbell, K. L.,** & Tyler, L. K. (2018). Language-related domain-specific and domain-general systems in the human brain. *Current Opinion in Behavioral Sciences, 21*, 132-137.

28. **Campbell, K. L.**, Madore, K. P., Benoit, R. G., Thakral, P. P., & Schacter, D. L. (2018). Increased hippocampus to ventromedial prefrontal connectivity during the construction of episodic future events. *Hippocampus, 28, 76-80.*

27. **Campbell, K. L.**, & Hasher, L. (2018). Hyper-binding only apparent under fully implicit test

conditions. *Psychology and Aging, 33*, 176-181.

26. Price, D., Tyler, L. K., Neto Henriques, R., **Campbell, K. L.**, Williams, N. Treder, M., CamCAN, & Henson, R. N. (2017). Age-related delay in visual and auditory evoked responses is mediated by white and gray matter differences. *Nature Communications, 8*: 15671.

25. **Campbell, K. L.**, Benoit, R. G., & Schacter, D. L. (2017). Priming, not inhibition, of related concepts during future imagining. *Memory*, *25*, 1235-1245.

24. Samu, D., **Campbell, K. L.**, Tsvetanov, K. A., Shafto, M. A., Cam-CAN, & Tyler, L. K. (2017). Preserved cognitive functions with age are determined by domain-dependent shifts in network responsivity. *Nature Communications, 8*: 14743.

23. **Campbell, K. L.**, & Schacter, D. L. (2017). Aging and the resting state: Cognition is not obsolete. *Language, Cognition, and Neuroscience, 32*, 692-694.

22. **Campbell, K. L.**, & Schacter, D. L. (2017). Aging and the resting state: Is cognition obsolete? *Language, Cognition, and Neuroscience, 32*, 661-668.
➔ This was a special target article to which several leaders in the field replied.

21. Amer, T., **Campbell, K. L.**, & Hasher, L. (2016). Cognitive control as a double-edged sword. *Trends in Cognitive Sciences, 20*, 905-915.

20. Anderson, J. A. E., Sarraf, S., Amer, T., Bellana, B., Man, V., **Campbell, K. L.**, Hasher, L., & Grady, C. L. (2016). Task-linked diurnal brain network reorganization in older adults: A graph theoretical approach. *Journal of Cognitive Neuroscience, 29*, 560-572.

19. Henson, R. N., **Campbell, K. L.**, Davis, S. W., Taylor, J. R., Emery, T., Erzinclioglu, S., Cam-CAN, & Kievit, R. A. (2016). Multiple determinants of lifespan memory differences. *Scientific Reports, 6*, 1-14. doi:10.1038/srep32527.

18. Amer, T., Anderson, J. A. E**., Campbell, K. L.**, Hasher, L., & Grady, C. L. (2016). Age differences in the neural correlates of distraction regulation: A network interaction approach. *NeuroImage, 139*, 231-239.

17. **Campbell, K. L.**, Samu, D., Davis, S. W., Geerligs, L., Mustafa, A., Cam-CAN, & Tyler, L. K. (2016). Robust resilience of the frontotemporal syntax system to aging. *Journal of Neuroscience, 36,* 5214-5227.

16. Grady, C. L., Saman, S., Saverino, C., & **Campbell, K. L.** (2016). Age differences in the functional interactions among the default, frontoparietal control, and dorsal attention networks. *Neurobiology of Aging, 41*, 159-172.

15. **Campbell, K. L.**, Shafto, M. A., Wright, P., Tsvetanov, K. A., Geerligs, L., Cusack, R., Cam-CAN, & Tyler, L. K. (2015). Idiosyncratic responding during movie-watching predicted by age differences in attentional control. *Neurobiology of Aging, 36*, 3045-3055.

14. Anderson, J. A. E., **Campbell, K. L.**, Amer, T., Grady, C. L., & Hasher, L. (2014). Timing is everything: Age differences in the cognitive control network are modulated by time of day. *Psychology and Aging, 29,* 648-57.

13. **Campbell, K. L.,** Trelle, A.**, & Hasher, L. (2014). Hyper-binding across time: age differences in the effect of temporal proximity on paired-associate learning. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 40,* 293-299.

12. **Campbell, K. L.**, Grigg, O., Saverino, C., Churchill, N., & Grady, C. L. (2013). Age differences in the intrinsic functional connectivity of default network subsystems. *Frontiers in Aging Neuroscience, 5:73.* doi: 10.3389/fnagi.2013.00073.

11. Healey, M. K., Hasher, L., & **Campbell, K. L.** (2013). The role of suppression in resolving interference: Evidence for an age-related deficit. *Psychology and Aging*, 28*,* 721-728.

10. Biss, R. K., Ngo, K. W. J., Hasher, L., **Campbell, K. L.**, & Rowe, G. (2013). Distraction can reduce age-related forgetting. *Psychological Science, 24*, 448-455.

9. Farb, N. A. S., Grady, C. L., Strother, S., Tang-Wai, D., Masellis, M., Black, S., Freedman, M., Pollock, B.G., **Campbell, K. L.**, Hasher, L., & Chow, T. (2013). Abnormal network connectivity in frontotemporal dementia: Evidence of prefrontal isolation. *Cortex*, *49*, 1856-73.

8. **Campbell, K. L.**, Grady, C. L., Ng, C., & Hasher, L. (2012). Age differences in the frontoparietal cognitive control network: Implications for distractibility. *Neuropsychologia, 50*, 2212-2223.

7. Biss, R. K., **Campbell, K. L.**, & Hasher, L. (2012). Interference from previous distraction disrupts older adults' memory. *Journals of Gerontology Series B: Psychological Sciences and Social Sciences*, 68*,* 558-561.

6. **Campbell, K. L.,** Zimerman, S., Healey, M. K., Lee, M. S.**, & Hasher, L. (2012). Age differences in visual statistical learning. *Psychology and Aging*, *27*, 650-656.

5. Healey, M. K., **Campbell, K. L.**, Hasher, L., & Ossher, L. (2010). Direct evidence for the role of inhibition in resolving interference. *Psychological Science, 21*, 1464-1470.

4. **Campbell, K. L.,** Hasher, L., & Thomas, R. C. (2010). Hyper-binding: A unique age effect. *Psychological Science, 21*, 399-405.
   ➔ This paper won the Canadian Institutes of Health Research Age + Prize.

3. **Campbell, K. L.**, Al-Aidroos, N., Fatt**, R., Pratt, J., & Hasher, L. (2009). The effects of multisensory targets on saccadic trajectory deviations: Eliminating age differences. *Experimental Brain Research, 201*, 385-392.

2. **Campbell, K. L.,** & Ryan, J. D. (2009). The effects of practice and external support on older adults' control of reflexive eye movements. *Aging, Neuropsychology, and Cognition, 16*, 745-763.

1. **Campbell, K. L.**, Al-Aidroos, N., Pratt, J., & Hasher, L. (2009). Repelling the young and attracting

the old: Examining age-related differences in saccade trajectory deviations. *Psychology and Aging, 24,* 163-168.

Book chapters

2. Hasher, L., & **Campbell, K. L.** (2020). Inhibitory theory: Assumptions, findings, and relevance to interventions. In Thomas, A.K. & Gutchess A. (Eds.). The Cambridge Handbook of Cognitive Aging: A Lifecourse Perspective. Cambridge University Press, Cambridge, United Kingdom.

1. Healey, M. K., **Campbell, K. L.**, & Hasher, L. (2008). Cognitive aging and increased distractibility: Costs and potential benefits. In W. S. Sossin, J.-C. Lacaille, V. F. Castellucci, & S. Belleville (Eds.). Progress in Brain Research, Vol. 169. Elsevier, Amsterdam, pp. 353-363.

Submitted manuscripts and preprints

4. Henderson, S. E. & **Campbell, K. L.** (revision requested). Event tagging: A novel intervention to remediate age differences in episodic memory. https://osf.io/preprints/psyarxiv/7znhx_v1

3. Thomas, H. G.*, El-Sabaa, L.*, Price, M. S., Davis, E. E.*, & **Campbell, K.L.** (revision requested). Aging and sustained attention: The role of inhibitory control and mind-wandering.

2. Demetriou, I., Attaheri, A., Bingham, T., Duckett, W., Bridge, L., Raykov, P., Tsvetanov, K. A., Correia, M., Apšvalka, D., Crespo-Garcia, M., **Campbell, K. L.**, Morcom, A., Mitchell, D. J., Rowe, J., Wolpe, N., Henderson, S. E., Cam-CAN, & Henson, R. (submitted). The Cambridge Centre for Ageing and Neuroscience (Cam-CAN) longitudinal study protocol: Phase 4 ("Enrichment") and Phase 5 ("Rescan"). *BMC Neurology*. https://www.medrxiv.org/content/10.1101/2025.05.06.25327023v1

1. Torres, R. E.*, Salahub, C.*, **Campbell, K. L.**, & Emrich, S. M. (revision requested). Reduced distractor filtering with age: Evidence from the distractor positivity ERP. https://doi.org/10.31234/osf.io/bqra7

PRESENTATIONS

Conference talks

** Denotes speaker*

25. **Campbell, K. L.*,** Henderson, S. E., Lugtmeijer, S., Geerligs, L. (2026, March). Older brains appear more resilient under naturalistic conditions. Paper presented at the 33rd annual Cognitive Neuroscience Society Meeting, Vancouver, Canada.

24. **Campbell, K. L.*** (2025, October). Neural state changes during movie watching relate to episodic memory in younger and older adults. Paper presented at the Memory Disorders Research Society Annual Meeting, Montreal, Canada.

23. **Campbell, K. L.*,** Lugtmeijer, S., Henderson, S. E., Geerligs, L. (2024, November). Longer neural states with increasing age: A marker of reduced event model updating? Paper presented at the 65th Annual Meeting of the Psychonomic Society, New York, NY, USA.

22. **Campbell, K. L.*** (2024, September). Individual differences in attentional control predict hyper-binding at encoding and resistance to interference at retrieval. Paper presented at the Memory Disorders Research Society Annual Meeting, Manchester, UK.

21. Davis, E.E., Thomas, H.G., Price, M.S., Mahy, C.E.V. & **Campbell, K.L.*** (2024, June). Differential attentional demands on implicit and explicit associative memory in children 8-12 years old. Paper presented at the 53nd annual meeting of the Jean Piaget Society, Toronto, Canada.

20. Henderson, S. E., Davis, E. E., & **Campbell, K. L.*** (2022, November). Event tagging: A novel technique to remediate age differences in event memory. Paper presented at the 63rd Annual Meeting of the Psychonomic Society, Boston, MA, USA.

19. **Campbell, K. L.*** (2022, October). Blurring boundaries: The effect of age differences in attentional control on memory for events. Paper presented at the Memory Disorders Research Society Annual Meeting, Philadelphia, PA, USA.

18. Ryan, A. D., Gaesser, B., Schacter, D. L., & **Campbell, K. L.*** (2022, April). Episodic simulation of helping behaviour increases prosocial intentions in younger and older adults. Paper presented at the Cognitive Aging Conference, Atlanta, GA, USA

17. Ryan, A. D., Gaesser, B., Schacter, D. L., & **Campbell, K. L.*** (2021, October). Episodic simulation of helping behaviour in younger and older adults during the COVID-19 pandemic. Paper presented at the Memory Disorders Research Society Annual Meeting, Virtual Conference.

16. Henderson, S. E.*, Lockhart, H. A., Davis, E. E., Emrich, S. M., & **Campbell, K. L.** (2021, June). Reduced attentional control in older adults leads to deficits in flexible prioritization of visual working memory. Paper presented at the Virtual Working Memory Symposium 2021, Virtual Conference.

15. **Campbell, K.L.*** (2020, November). Memory without intention: Alpha suppression as a neural marker of task demands in voluntary vs involuntary retrieval in older and younger adults. Paper presented at the 61st Annual Meeting of the Psychonomic Society, Virtual Conference.

14. **Campbell, K. L.*** (2020, November). Hyper-binding over time: Implications for event memory with age. Invited talk at the 61st Annual Meeting of the Psychonomic Society, Virtual Conference.

13. **Campbell, K. L.*** (2019, February). Something in the way we test: Neurocognitive aging and the pervasive influence of extraneous task demands. Invited Keynote talk presented at the 48th Annual Lake Ontario Visionary Establishment Conference, Niagara Falls, Canada.

12. **Campbell, K. L.***, Cam-CAN, & Geerligs, L. (2018, March). I did it my way: Explaining age-related declines in inter-subject synchronization during naturalistic viewing. Data blitz talk presented at the 25th annual Cognitive Neuroscience Society Meeting, Boston, MA, USA.

11. **Campbell, K. L.*** (2017, November). Priming, not inhibition, of competing representations during future imagining. Paper presented at the Symposium in Honour of Lynn Hasher, Toronto, Canada.

10. **Campbell, K. L.*,** Samu, D., & Tyler, L. K. (2017, August). Context-dependent shifts in network functionality with age. Invited talk at the 13th International Conference for Cognitive Neuroscience, Amsterdam, Netherlands.

9. **Campbell, K. L.*,** Cam-CAN, & Tyler, L. K. (2017, April). Finding the ageing brain's natural capacity. Paper presented at British Neuroscience Association 2017: Festival of Neuroscience, Birmingham, United Kingdom.

8. **Campbell, K. L.*,** & Hasher, L. (2016, August). Age-related hyper-binding: Both a help and a hindrance? Invited talk at the 6th International Conference on Memory, Budapest, Hungary.

7. **Campbell, K. L.*,** Hasher, L., Davis, S. W., Geerligs, L., Samu, D., Cam-CAN, & Tyler, L. K. (2016, May). The pervasive effects of reduced attentional control with age. Invited talk at Association for Psychological Science 28th Annual Convention, Chicago, IL, USA.

6. **Campbell, K. L.*,** Shafto, M., Wright, P., Tsvetanov, K., Cusack, R., Cam-CAN, Tyler, L. K. (2015, April). Beyond the resting state: Age differences in neural networks identified during naturalistic viewing. Paper presented at the 3rd International Conference on Aging & Cognition, Dortmund, Germany.

5. **Campbell, K. L**.*, Cam-CAN, & Tyler, L. K. (2015, March). Preserved syntactic processing across the lifespan. Data blitz talk presented at the 22nd annual Cognitive Neuroscience Society Meeting, San Francisco, CA, USA.

4. Price, D.*, Henson, R., Clarke, A., Treder, M. S., **Campbell, K. L.**, Cam-CAN, & Tyler, L. K. (2015, January). Neural delay and cognitive performance over the adult lifespan. Paper presented at the 9th Annual MEG UK Meeting, Birmingham, UK.

3. **Campbell, K. L.*** (2014, May). The hyper-binding hypothesis: Age differences in attentional control and the implications for associative memory. Paper presented at the Cambridge Memory Meeting, Cambridge, UK.

2. Hasher, L.*, Biss, R. K., Campbell, K. L., Ngo, K. W. J., & Rowe, G. (2013, April). Using distraction to facilitate remembering in older adults. Paper presented at the International Conference on Aging & Cognition, Dortmund, Germany.

1. Thomas, R. C., **Campbell, K. L.,** & Hasher, L.* (2008, November). Implicit benefits of susceptibility to distraction. Paper presented at the 49th annual meeting of The Psychonomic Society, Chicago, IL, USA.

Conference posters

60. Davis, E. E., Davis, S. W., & Campbell, K. L. (2026, March). Neural correlates of implicit associative memory in

younger and older adults. Poster presented at the 33rd annual Cognitive Neuroscience Society Meeting, Vancouver, Canada.

59. Torres, R. E., Campbell, K. L., & Emrich, S. M., (2026, March). How Semantic and Perceptual Information Shape Object Memorability. Poster presented at the 33rd annual Cognitive Neuroscience Society Meeting, Vancouver, Canada.

58. DiMarco, D. M., Collins, T. K., Henderson, S. E., & Campbell, K. L. (2026, February). Limits of large language model-based automated scoring on free recall in older adults. Poster presented at the Lake Ontario Visionary Establishment 53rd Annual Meeting.

57. Oetringer, D., Gözükara, D., Campbell, K. L., Ben Yakov, A., Güçlü, U., Geerligs, L. (2025, December). Evaluating attention-related adjustments in neural state boundaries during event segmentation. Poster presented at the NVP Winter Conference, Egmond aan Zee, the Netherlands.

56. Thomas, H.G., El-Sabaa, L., Davis, E. E., Price, M.S., & Campbell, K.L. (2025, November). Aging and sustained attention: The role of inhibitory control and mind-wandering. Poster presented at Symposium for Individual Differences in Cognition, Psychonomics, Denver, Colorado, USA.

55. Henderson, S. E., Oetringer, D., Geerligs, L., & **Campbell, K. L.** (March, 2025). Neural state changes during movie watching relate to episodic memory in younger and older adults. Poster presented at the 32nd Annual Meeting of the Cognitive Neuroscience Society, Boston, MA, USA.

54. Henderson, S. E., Oetringer, D., Geerligs, L., & **Campbell, K. L.** (February, 2025). Neural state changes during movie watching relate to episodic memory in younger and older adults. Poster presented at the Dallas Aging & Cognition Conference, Dallas, TX, USA.

53. Henderson, S. E., D'Angelo, S., **Campbell, K. L.** (2024, November). Event tagging: A novel technique to remediate age differences in event memory. 65th Annual Meeting of the Psychonomic Society, New York, NY, USA.

52. Torres, R. E., Salahub, C., Emrich, S. M., **Campbell, K. L.** (2024, April). Reduced distractor filtering with age: Evidence from the distractor positivity ERP. Poster presented at the 31st Annual Meeting of the Cognitive Neuroscience Society, Toronto, Ontario, Canada.

51. Lugtmeijer, S., Oetringer, D., Geerligs, L., & **Campbell, K. L.** (2024, April). Age differences in the neural representation of naturalistic events. Poster presented at the 31st Annual Meeting of the Cognitive Neuroscience Society, Toronto, Ontario, Canada.

50. Henderson, S. E., Ryan, A. D., Atack, L., **Campbell, K. L.** (2024, April). Task-related-interference in older adults: Electrophysiological correlates of on- and off-task thoughts. Poster presented at the 31st Annual Meeting of the Cognitive Neuroscience Society, Toronto, Ontario, Canada.

49. Davis, E.E., Thomas, H.G., Price, M.S., Mahy, C.E.V. & **Campbell, K.L.** (2024, February). Differential attentional demands on implicit and explicit associative memory in children 8 to 12 years old. Poster presented at Lake Ontario Visionary Establishment Conference, Niagara Falls, Ontario, Canada.

48. Davis, E.E., Tehrani, E.K., & **Campbell, K.L.** (2023, November). Poor Attentional Control Relates to Hyper-Binding in a Young Adult Sample. Poster presented at Psychonomics & Symposium for Individual Differences in Cognition Satellite Conference, San Francisco, United States of America.

47. Guardia, T., Mazloum-Farzaghi, N., Olsen, R. K., Tsvetanov, K. A., & **Campbell, K. L.** (2023, July). Age-related differences in associative memory predicted by prefrontal grey matter volume. Poster presented at the Organization for Human Brain Mapping Annual Meeting, Montreal, Canada.

46. Davis, E. E., Tehrani, E. K., & **Campbell, K. L.** (2023, February). Individual differences in hyper-binding in young adults – Preliminary data. Poster presented at the 50th Annual Lake Ontario Visionary Establishment Conference, Niagara Falls, Canada.

45. Torres, R. E., Emrich, S. M., & **Campbell, K. L.** (2022, November). Distractor-informing cues benefit VWM filtering performance of young and older adults. Poster presented at Object Perception, visual Attention, and Visual Memory Conference, Boston, MA, USA.

44. Ryan, A. D., Smitko, R., & **Campbell, K. L.** (2022, November). Episodic simulation of novel situations across the lifespan. 63rd Annual Meeting of the Psychonomic Society, Boston, MA, USA.

43. Pitts, B. L., Bailey, H. R., **Campbell, K. L.** (2022, November). Limits of associative binding within events in narrative stories. 63rd Annual Meeting of the Psychonomic Society, Boston, MA, USA.

42. Lugtmeijer, S., Geerligs, L., Tsvetanov, K. A., Mitchell, D. J., & **Campbell, K. L.** (2022, June). Working memory load-dependent changes in functional connectivity across the adult lifespan. Poster presented at the Organization for Human Brain Mapping annual meeting, Glasgow, UK.

41. Torres, R. E., Duprey, M. S., Campbell, K. L., & Emrich, S. M. (2022, May). Greater visual working memory for real-world objects is related to recollection. Poster presented at Vision Sciences Society, St. Peter's Beach, FL, USA.

40. Henderson, S. E., & **Campbell, K. L.** (2022, April). Event boundary perception and episodic memory for films in older and younger adults. Poster presented at the Cognitive Aging Conference, Atlanta, GA, USA.

39. O'Connor, A., Hall., W., Mahy, C. E. V., & **Campbell, K. L.** (2022, April). Younger and older adult females, but not males, are implicitly biased to trust children. Poster presented at the Cognitive Aging Conference, Atlanta, GA, USA.

38. O'Connor, A., **Campbell, K. L.**, & Mahy, C. E. V. (2022, April). Younger and older adults' prospective memory: The role of delay task difficulty and thinking about one's future intention. Poster presented at the Cognitive Aging Conference, Atlanta, GA, USA.

37. Lugtmeijer, S., Geerligs, L., Tsvetanov, K. A., Mitchell, D. J., & **Campbell, K. L.** (2022, April). Working memory load-dependent changes in functional connectivity across the adult lifespan. Poster presented at the NVP Winter Conference, Egmond aan Zee, the Netherlands.

36. Guardia, T., Cote, K. A., Healey, M. K., Gammage, K. L., & **Campbell, K. L.** (2022, March). Physical activity and

sleep quality predict memory function in middle-aged and older adults. Poster presented at the Rotman Research Institute Conference, Virtual Conference.

35. Lugtmeijer, S., Geerligs, L., Tsvetanov, K. A., Mitchell, D. J., & **Campbell, K. L.** (2022, March). Working memory load-dependent changes in functional connectivity across the adult lifespan. Poster presented at the Rotman Research Institute Conference, Virtual Conference.

34. Henderson, S. E., & **Campbell, K. L.** (2022, March). Event boundary perception and episodic memory for films in older and younger adults. Poster presented at the Rotman Research Institute Conference, Virtual Conference. **This poster won the Outstanding Poster Presentation award.

33. Ryan, A. D., Smitko, R., & Campbell, K. L. (2022, March). Episodic simulation of helping behaviour in novel scenarios across the lifespan. Poster presented at the Rotman Research Institute Conference, Virtual Conference.

32. Davis, E. E., Frechette, O. K., & **Campbell, K. L.** (2021, November). What happened next? Event boundary perception and long-term memory recall in older and younger adults. Poster presented at the 62nd Annual Meeting of the Psychonomic Society, Virtual Conference.

31. Duprey, M. S., Torres, R. E., **Campbell, K. L.**, & Emrich, S. M. (2021, November). The Effects of Recollection and Familiarity on Working Memory Performance. Poster presented at Object Perception, visual Attention, and visual Memory Conference (OPAM), Virtual Conference.

30. Torres, R. E., Emrich, S. M., & **Campbell, K. L.** (2021, November). Age Differences in Working Memory Filtering of Distracting Information. Poster presented at Object Perception, visual Attention, and visual Memory Conference (OPAM), Virtual Conference.

29. Ryan, A. D., Holliday, A., Gaesser, B., Schacter, D. L., & **Campbell, K. L**. (2021, May). Episodic simulation of helping behaviour in younger and older adults during the COVID-19 pandemic. Poster presented at the Association for Psychological Science Virtual Convention.

28. Guardia, T., Geerligs, L., Tsvetanov, K. A., & **Campbell, K. L**. (2020, June). The arousal system mediates age-related differences in functional connectivity within and between cortical networks. Poster presented at the Annual Scientific Meeting of the Organization for Human Brain Mapping, Montreal, Canada.

27. Henderson, S. E., Lockhart, H. A., Davis, E. E., Emrich, S. M., & **Campbell, K. L.** (2020, February). Reduced attentional control in older adults leads to deficits in flexible prioritization of visual working memory. Poster presented at the 49th Annual Lake Ontario Visionary Establishment Conference, Niagara Falls, Canada.

26. Ryan. A. D., & **Campbell, K. L.** (2019, November). Stereotype-threat and memory in older adults: A negative association between cortisol and explicit memory. Poster presented at the 60th Annual Meeting of the Psychonomic Society, Montreal, Quebec, Canada.

25. Davis, E. E., Chemnitz, E., Collins, T., & **Campbell, K.L.** (2019, November). No age differences in intersubject eye movement synchrony during naturalistic viewing: Implications for memory.

Poster presented at the 60th Annual Meeting of the Psychonomic Society, Montreal, Quebec, Canada.

24. Henderson, S. E., Callegari, J., Desjardins, J. A., Segalowitz, S. J., **Campbell, K. L**. (2019, March). Age differences in the neural underpinnings of voluntary vs involuntary memory retrieval. Poster presented at the 26th Annual Cognitive Neuroscience Society Meeting, San Francisco, CA, USA.

23. Davis, E., Foy, E., & **Campbell, K. L.** (2019, February). Reduced attentional control affects older adults' performance on implicit associations task. Poster presented at the 48th Annual Lake Ontario Visionary Establishment Conference, Niagara Falls, Canada.

22. Geerligs, L.**,** Cam-CAN, & **Campbell, K. L.**, (2018, March). I did it my way: Explaining age-related declines in inter-subject synchronization during naturalistic viewing. Poster presented at the 25th annual Cognitive Neuroscience Society Meeting, Boston, MA, USA.

21. **Campbell, K. L.**, Madore, K. P., Benoit, R. G., Thakral, P. P., & Schacter, D. L. (2017, August). Increased hippocampus to ventromedial prefrontal connectivity during episodic future simulation. Poster session at the 13th International Conference for Cognitive Neuroscience, Amsterdam, Netherlands.

20. **Campbell, K. L.,** Benoit, R. G., Schacter, D. L. (2016, August). Priming of related concepts during future imagining. Poster session to be presented at the 6th International Conference on Memory, Budapest, Hungary.

19. Strömmer, J. M., **Campbell, K. L.**, Tyler, L. K., Cam-CAN, & Davis, S. W. (2016, July). Physical activity mitigates age-related frontal white matter loss. Poster session presented at the Federation of European Neuroscience Societies Forum, Copenhagen, Denmark.

18. **Campbell, K. L.**, Cam-CAN, & Tyler, L. K. (2014, August). Preserved language comprehension with age and its relationship to cognitive control. Poster session presented at the 6th Annual Meeting of the Society for the Neurobiology of Language, Amsterdam, Netherlands.

17. **Campbell, K. L.**, Shafto, M. A., Wright, P., Tsvetanov, K. A., Cusack, R., Cam-CAN, & Tyler, L. K. (2014, June). Beyond the resting state: Age differences in neural networks identified during naturalistic viewing. Poster session presented at the Annual Scientific Meeting of the Organization for Human Brain Mapping, Hamburg, Germany.

16. Anderson, J. A. E., Churchill, N. W., **Campbell, K. L.**, Hasher, L., & Grady, C. L. (2014, March). A PLS spectral analysis reveals time of day differences in endogenous BOLD signal in older adult task and resting state fMRI. Poster session presented at the 24th Annual Rotman Research Institute Conference, Toronto, ON, Canada.

15. Anderson, J. A. E., **Campbell, K. L.**, Hasher, L., & Grady, C. L. (2013, June). Time of day affects functional connectivity in the elderly. Poster session presented at the 19th Annual Meeting of the Organization for Human Brain Mapping, Seattle, WA, USA.

14. Biss, R. K., **Campbell, K. L.**, & Hasher, L. (2013, May). Repeating studied items as distraction boosts older adults' recognition memory. Poster session presented at the annual meeting of the

Association for Psychological Science, Washington, DC, USA.

13. **Campbell, K. L.**, & Hasher, L. (2012, April). The role of inhibition in constraining memory binding over time: Age differences in cross-pair associations. Poster session presented at the biannual Cognitive Aging Conference, Atlanta, GA, USA.

12. **Campbell, K. L.**, Grigg, O., & Grady, C. L. (2012, April). Fractionating the default mode in younger and older adults. Poster session presented at the 19th annual Cognitive Neuroscience Society Meeting, Chicago, IL, USA.

11. Ng, C., Oder, A., Grigg, O., **Campbell, K. L.,** Strother, S., & Grady, C. L. (2011, June). Does the model matter in defining the default mode network? Poster session presented at the 17th Annual Meeting of the Organization for Human Brain Mapping, Quebec City, QC, Canada.

10. **Campbell, K. L.**, Zimerman, S., Lee, M. S., & Hasher, L. (2010, November). Age-related advantage in visual statistical learning. Poster session presented at the 51st Annual Meeting of the Psychonomic Society, St. Louis, MO, USA.

9. **Campbell, K. L.**, Grady, C. L., & Hasher, L. (2010, April). Age differences in the recruitment of widespread neural networks: Implications for distractibility. Poster session presented at the 17th annual Cognitive Neuroscience Society Meeting, Montreal, QC, Canada.

8. Healey, M. K., **Campbell, K. L.**, Hasher, L., & Ossher, L. (2010, April). The role of inhibition in interference resolution: Evidence of an age related deficit. Poster session presented at the Context and Episodic Memory Symposium, Philadelphia, PA, USA.

7. Healey, M.K., **Campbell, K. L.**, Hasher, L., & Ossher, L. (2009, August). Direct evidence for the role of inhibition in resolving interference. Poster session presented at the 117th annual American Psychological Association Convention, Toronto, ON, Canada.

6. Fatt, R., **Campbell, K. L.,** Al-Aidroos, N., & Hasher, L. (2009, August). Multisensory interactions in saccade curvature: Effects of bimodal targets. Poster session presented at the 117th annual American Psychological Association Convention, Toronto, ON, Canada.

5. **Campbell, K. L.,** & Hasher, L. (2009, March). Cross-trial associations: Implications for age differences in paired associate learning. Poster session presented at the annual Rotman Research Institute Conference, Toronto, ON, Canada.

4. Pratt, J., Al-Aidroos, N., **Campbell, K. L.**, & Hasher, L. (2008, May). Older adults just can't look away: Age-related changes in saccadic trajectory curvature. Poster session presented at the annual meeting of the Vision Sciences Society, Naples, FL, USA.

3. **Campbell, K. L.**, Thomas, R. C., & Hasher, L. (2008, April). Aging and association formation: Binding too much rather than too little? Poster session presented at the biannual Cognitive Aging Conference, Atlanta, GA, USA.

2. **Campbell, K. L.,** & Ryan, J. D. (2008, April). Exercise a little restraint: Improving older adults'

control of reflexive eye movements. Poster session presented at the biannual Cognitive Aging Conference, Atlanta, GA, USA.

1. **Campbell, K. L.**, & Hasher, L. (2007, May). Positivity bias in older adults' frequency estimates of emotional words. Poster session presented at the annual meeting of the Association for Psychological Science, Washington, DC, USA.

Conference symposia organized

5. Spaniol, J., & **Campbell, K. L.** (2022, April). Prosocial motivation and cognition in healthy aging. Cognitive Aging Conference, Atlanta, GA, USA.

4. Healey, M. K., & **Campbell, K. L.** (2020, November). Age differences in episodic memory control processes. The 61st Annual Meeting of the Psychonomic Society, Virtual Conference.

3. **Campbell, K. L.** (2017, November). *Symposium (Festschrift) in Honour of Lynn Hasher.* University of Toronto, Toronto, Canada.

2. **Campbell, K. L.,** & Tyler, L. K. (2017, April). *Old brains, new insights*. British Neuroscience Association 2017: Festival of Neuroscience, Birmingham, United Kingdom.

1. **Campbell, K. L.**, (2015, April). *Insights on ageing and brain function from the Cam-CAN*. Third International Conference on Aging & Cognition, Dortmund, Germany.

Invited research talks

2025	Department of Psychology, Toronto Metropolitan University, Toronto, Canada.
2025	Center for Cognitive Science, SUNY at Buffalo, Buffalo, NY, USA
2025	Department of Psychology & Neuroscience, City St George's, University of London, UK.
2023	Department of Psychology, University of Victoria, Victoria, Canada.
2023	Developmental and Cognitive Colloquium, University of Geneva, Geneva, Switzerland.
2023	School of Psychology, University of Nottingham, Nottingham, UK.
2023	Centre for Aging Research and Education, York University, Toronto, Canada.
2022	Chaucer Talk, MRC Cognition & Brain Sciences Unit, University of Cambridge, Cambridge, UK.
2022	Rotman Rounds, Rotman Research Institute, Baycrest, Toronto, Canada.
2021	Cognitive and Neurobiological Approaches to Plasticity Brown Bag Series, Kansas State University, Manhattan, KS, USA.
2019	Cognitive Neuroscience Colloquium Series, Michigan State University, East Lansing, MI, USA.
2018	Women in Neuroscience, Brain and Mind Institute, Western University, London, Canada.
2017	Department of Psychology, University of Guelph, Guelph, Canada.
2017	Department of Psychology, Ryerson University, Toronto, Canada.
2017	Ebbinghaus Empire, Department of Psychology, University of Toronto, Toronto, Canada.
2014	Department of Psychology, University of Warwick, Coventry, UK.
2013	Oxford Centre for Human Brain Activity, University of Oxford, Oxford, UK.
2013	Cambridge Memory Meeting, MRC Cognition & Brain Sciences Unit, University of Cambridge, Cambridge, UK.

2012 Center for Cognitive Neuroscience, Duke University, Durham, NC, USA.
2012 Data Blitz, Department of Psychology, University of Toronto, Toronto, Canada.
2011 Memory & Perception Group MRC Cognition & Brain Sciences Unit, University of Cambridge, Cambridge, UK.
2011 Data Blitz, Department of Psychology, University of Toronto, Toronto, Canada.
2011 Department of Psychology, Ryerson University, Toronto, Canada.

TEACHING

Courses taught

2021-2023 Human Memory (PSYC 3P20), Brock University
2020 Developmental Neuroscience (PSYC 7V09), Brock University
2019 Directed Research Techniques (PSYC 7P12 Neuroimaging Research Techniques – fMRI Research Methods and Statistical Parametric Mapping), Brock University
2018-2023 Psychology of Aging (PSYC 3P19), Brock University
2017 Behavioural and Cognitive Neuroscience Focus Area Research Seminar (PSYC 5Y51/7Y51), Brock University
2012 Human Memory (PSY 372), University of Toronto
2011 Cognitive Neuroscience (PSY 493), University of Toronto

Guest lectures

2023 *Beyond word lists: Using movies to study age differences in memory*, Psychology of Aging, University of Toronto
2014 Co-organizer, Hands-on Neuroscience Workshop, University of Cambridge
2011 *Statistical analyses*, Human Memory Laboratory, University of Toronto
2009-2011 *Short-term & working memory*, Introduction to Cognition, University of Toronto

Trainee supervision

Postdoctoral Fellows
2025- Donnelle DiMarco, Brock University
2021-2023 Selma Lugtmeijer, Brock University
2021-2022 Barbara Pitts, Kansas State University, *mentor on National Institutes of Health funded project*

PhD Students
2022-present Rosa Torres Hernandez, Brock University, *co-supervised with Stephen Emrich*
2020-2024 Emily Davis, Brock University
2020-2024 Sarah Henderson, Brock University
2019-2023 A. Dawn Ryan, Brock University
2018-2022 Tiago Guardia de Souza e Silva, Brock University
2014-2015 Juho Strömmer, Cambridge University, *co-supervised with Lorraine Tyler*

Masters Students

2025- Eryka Jones, Brock University
2024- Hannah Thomas, Brock University
2023- Joseph Merante, Brock University
2020-2022 Rosa Torres Hernandez, Brock University, *co-supervised with Stephen Emrich*
2018-2020 Emily Davis, Brock University
2018-2020 Sarah Henderson, Brock University
2017-2019 A. Dawn Ryan Brock University

Graduate Committee Member

2024- Makenna Tardif, MA student, Psychology, Brock University
2024- Mirella Rocca, MA student, Psychology, Brock University
2024-2025 Luke Atack, MA student, Psychology, Brock University
2023-2025 Doug Chabot, MA student, Psychology, Brock University
2022-2023 Pratik Nath, MA student, Psychology, Brock University
2022-2023 Oya Pakkal, MA student, Psychology, Brock University
2022- Alyssa Thibeault, MA & PhD student, Psychology, Brock University
2021-2023 Smit Patel, MA student, Psychology, Brock University
2021-2022 Shawna Hopper, MA student, Applied Health Sciences, Brock University
2019-2021 Samantha Moeller, MA student, Psychology, Brock University
2019-2022 Alison O'Connor, PhD student, Psychology, Brock University
2019-2023 Brent Pitchford, PhD student, Psychology, Brock University
2019-2024 Andrew Chung, PhD student, Psychology, Brock University
2017-2024 Holly Lockhart, PhD student, Psychology, Brock University
2017-2020 Christine Salahub, PhD student, Psychology, Brock University
2017-2020 Reuben Howlett, MA student, Psychology, Brock University

Comprehensive Exam Committee Member

2025 Francine Burke, PhD student, Psychology, Brock University
2025 Alyssa Thibeault, PhD student, Psychology, Brock University
2024 Younes Elbishari, PhD Student, Psychology, Kansas State University
2023 Rosa Torres, PhD student, Psychology, Brock University
2023 Anita Twele, PhD student, Psychology, Brock University
2021 Emily Davis, PhD student, Psychology, Brock University
2021 Sarah Henderson, PhD student, Psychology, Brock University
2020 Tiago Guardia de Souza e Silva, PhD student, Psychology, Brock University
2020 A. Dawn Ryan, PhD student, Psychology, Brock University
2019 Holly Lockhart, PhD student, Psychology, Brock University
2019 Brent Pitchford, PhD student, Psychology, Brock University
2018 Christine Salahub, PhD student, Psychology, Brock University
2018 Claire Matthews, PhD student, Psychology, Brock University
2018 Caitlyn Gallant, PhD student, Psychology, Brock University

External Examiner

2025 Marcello Pepe, University of Cambridge
2024 Stephanie Simpson, University of Toronto
2023 Lisa Ohlhauser, University of Victoria
2022 Bryan Hong, University of Toronto

2022 Jolene Cox, The Australian National University
2021 Niki Sinha, Department of Child & Youth Studies, Brock University
2021 Roni Setton, McGill University
2018 Dorothee Schoemaker, McGill University

Honours Thesis Students

2025-2026 Abby Awad, Neuroscience, Brock University
2024-2025 Elora Ives, Neuroscience, Brock University
2024-2025 Sara Palewicz, Psychology, Brock University
2023-2024 Serena D'Angelo, Psychology, Brock University
2022-2023 Ashley Anderson, Psychology, Brock University
2022-2023 Kwasi Duah, Psychology, Brock University
2022-2023 Hannah Thomas, Psychology, Brock University
2021-2022 Edyta Houshang Tehrani, Psychology, Brock University
2021-2022 Ronnie Smitko, Psychology, Brock University
2021-2022 Megan Fazekas, Psychology, Brock University
2020-2021 Arjun Naipaul, Neuroscience, Brock University
2020-2021 Kiran Randhawa, Psychology, Brock University
2020-2021 Peter Henen, Psychology, Brock University
2017-2018 Sarah Henderson, Psychology, Brock University
2017-2018 Emily Chemnitz, Neuroscience, Brock University
2017-2018 Ethan Foy, Neuroscience, Brock University
2011-2012 Ali Trelle, University of Toronto, *co-supervised with Lynn Hasher*
2008-2009 Lynn Ossher, University of Toronto, *co-supervised with Lynn Hasher*

Honours Thesis Committee Member (Neuroscience)

2025 Victoria Lalonde, Neuroscience, Brock University
2023 Keynen Lynett, Neuroscience, Brock University
2022 Naomi Molokwu, Neuroscience, Brock University
2018 Janahan Selvanayagam, Neuroscience, Brock University
2018 Aaron Zwiep, Neuroscience, Brock University

NSERC Undergraduate Student Research Award

2023 Hannah Thomas, Brock University
2022 Luke Atack, Brock University
2021 Kiran Randhawa, Brock University
2018 Emily Chemnitz, Brock University
2017 Sarah Henderson, Brock University

Match of Minds Summer Student Research Assistant

2020 Oakley Frechette, Brock University
2018 Sarah Henderson, Brock University
2017 Emily Davis, Brock University

Brock Co-op Students

2023 Erika Boragno, Brock University
2021 Kiran Randhawa, Brock University (nominated me for Outstanding Co-op Supervisor)

Independent Research Project Students

2024-2025 Renata Acosta Perez, Brock University
2024-2025 Caitlyn McBride, Brock University
2016-2017 Jenny Sun, Harvard University
2016-2017 Shirley Lin, Harvard University
2015 Chloe Withers, University of Cambridge
2014 Jennifer Champion, University of Cambridge
2011-2012 Wei Lin, University of Toronto
2009-2010 Michelle Lee, University of Toronto
2008-2009 Robb Fatt, University of Toronto
2007-2008 Ahn Nguyen, University of Toronto

Contributions to seminars and workshops

2020, 2021 Academic Careers Panel, guest speaker, *Department of Psychology*, University of Toronto
2019 Postdoc Information Session, organizer, *Department of Psychology*, Brock University
2018 Non-Academic Careers Panel, organizer, *Department of Psychology*, Brock University
2017 Graduate School Information Session, guest speaker, *Department of Psychology*, Brock University
2017 Academic Career Night Panel, guest speaker, *Rotman Research Institute*, Baycrest, Toronto

Professional Development

2021 Workshop on Authentically Decolonizing and Indigenizing Your Classroom, *Centre for Pedagogical Innovation*, Brock University
2021 Lifespan Development Research Institute Knowledge Mobilization Workshop, Brock University (7-week course)
2020 Workshops for Online Teaching (Building Learning Communities; Designing Online Assessments for Academic Integrity; Tips for Building Your Best Sakai Site with the Lessons Tool), *Centre for Pedagogical Innovation*, Brock University
2019 Experiential Education 2-Day Workshop, *Centre for Pedagogical Innovation*, Brock University
2017 Instructional Skills Workshop, *Centre for Pedagogical Innovation*, Brock University
2011 Teaching Fundamentals Certificate, *Centre for Teaching Support & Innovation*, University of Toronto (completed six 2-hour teaching workshops)
2008 Teaching Practicum, Department of Psychology, University of Toronto

UNIVERSITY/COMMUNITY SERVICE

Professional membership

Member of SPARK Society
Member of the Memory Disorders Research Society
Fellow of the Psychonomic Society

Member of the Cognitive Neuroscience Society
Member of the Canadian Society for Brain, Behaviour, & Cognitive Science

Professional society service

2025	Organized 2 virtual panels for the Spark Society ("Finding Your Footing Outside Academia" and "From PhD to Postdoc: Finding Your Academic Fit")
2023-2025	Member of Steering Committee for EEGNet
2021	Organization for Human Brain Mapping Trainees Mentor
2021	Speed mentor for Women in Cognitive Sciences
2023-2025	Organizing committee for the Lake Ontario Visionary Establishment Conference
2021	Organizing committee for the Memory Disorders Research Society meeting
2020-2024	Member of the Psychonomic Society Task Force on Racial Justice

Professional development

2024	Advancing Antiracism and DEI in STEMM Organizations, webinar hosted by the National Academies of Sciences, Engineering, and Medicine, USA
2022, 2026	Introduction to Equity, Diversity and Inclusion in Research, *Office of Research Services*, Brock University
2021	Core Competency Module for Sex and Gender in the Analysis of Secondary Data from Human Participants, online through the *CIHR Institute of Gender and Health*
2021	Core Competency Module for Sex and Gender in Primary Data Collection with Human Participants, online through the *CIHR Institute of Gender and Health*

Reviewing

Funding Agencies: Alzheimer's Society of Canada; Brain Canada; Canada Research Chairs Program; Canadian Institutes of Health Research (CIHR); Economic and Social Research Council, UK; Fonds de la Recherche Scientifique, Belgium; KU Leuven Internal Funds; McGill Healthy Brains for Healthy Lives Innovative Ideas Program; Natural Sciences and Engineering Research Council (NSERC); Swiss National Science Foundation; National Killam Program

Journals (I usually review ~24 papers per year): Aging, Neuropsychology, and Cognition; Behavioural Brain Research; Biological Psychology; Brain Research; Cognition; Cognition & Emotion; Communications Biology; Current Opinion in Behavioral Sciences; Developmental Psychology; eNeuro; Experimental Brain Research; Human Brain Mapping; Imaging Neuroscience; iScience; Journal of Cognitive Neuroscience; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of Geriatric Psychiatry and Neurology; Journal of Gerontology: Psychological Sciences; Journal of Neuroscience; Language, Cognition, & Neuroscience; Memory; Nature Human Behaviour; Neurobiology of Aging; Neurobiology of Language; NeuroImage; Psychological Bulletin; Psychological Science; Psychonomic Bulletin & Review; Psychology and Aging; Science; Science Advances; Scientific Reports; Trends in Neurosciences; Wellcome Open Research

Editorial Activities:

2021-	Consulting Editor, *Aging, Neuropsychology, & Cognition*
2020-	Consulting Editor, *Psychology and Aging*

2019-2020 Guest Editor, Special issue on Aging and Inhibition, *Psychology and Aging*

Departmental Service

2024- Departmental Colloquium organizer, Department of Psychology, Brock University
2024- Graduate Program Director, Department of Psychology, Brock University
2023 Hiring Committee Member for Canada Research Chair in Social Psychology of Aging, Department of Psychology, Brock University
2022-2023 New faculty onboarding and mentorship working group – developed onboarding materials for new faculty members in the department
2020-2023 Graduate Committee Member, Department of Psychology, Brock University
2020 Hiring Committee Member for Tenure-track position in Biological Psychology, Department of Psychology, Brock University
2019 Hiring Committee Member for Canada Research Chair in Biological Psychology, Department of Psychology, Brock University
2017-2020 Departmental Colloquium organizer, Department of Psychology, Brock University
2010-2012 Assistant organizer for Ebbinghaus Empire (cognitive group's weekly brown bag talks) Department of Psychology, University of Toronto
2006-2008 Social Coordinator, Psychology Graduate Students' Association, Department of Psychology, University of Toronto

University Service

2024-2025 Graduate Student Funding Working Group, Brock University
2022 Internal Reviewer for Department of Physics' Cyclical Academic Review, Brock University
2022 Faculty of Social Sciences Representative to the Advisory Committee on the Vice-President, Research, Brock University
2021- Steering Committee, Faculty Research Council, Brock University
2021- Internal reviewer for NSERC and other graduate awards, Brock University

Community Presentations

Campbell, K. L. (2024, July). Memory & aging: What can you do to maintain good cognitive health? Presentation at the Niagara-on-the-Lake Community Centre.

Campbell, K. L. (2024, May). *What is Psychology? And how do we study it?* Presentation & lab visit for ~60 grade 8 students from Oakridge Public School, St. Catharines, Canada.

Campbell, K. L. (2024, May). *WEIRD Samples, WEIRD Labs, WEIRD Results.* Brain Resilience and Aging Knowledge Synthesis Symposium, McGill University, Montreal, Canada.

Campbell, K. L. (2024, April). *Unlocking the Aging Mind: How Attention Shapes Memory Across the Lifespan*. Research Enterprise Speaker Series, Webinar hosted by Brock University's Office of Research Services.

Campbell, K. L. (2023, November). *Beyond word lists: Using movies to study age differences in memory*. Presentation to the Brock Neuroscience Club, St. Catharines, Canada.

Campbell, K. L. (2022, June). *What is Psychology? And how do we study it?* Presentation for grade 8 students at

Oakridge Public School, St. Catharines, Canada.

Campbell, K. L. (2022, May). *Event tagging intervention*. Consultation with the Lifespan Institute's Senior Advisory Council. Virtual.

Campbell, K. L. (2021, February). Women in Science Presentation, Brock University, St. Catharines, Canada.

Campbell, K. L. (2021, January). *Learning more, not less – memory as we age.* Lifespan Institute Speaker Series, Webinar.

Campbell, K. L. (2020, October). Online testing with seniors during COVID-19. Consultation with the Lifespan Institute's Senior Advisory Council. Virtual.

Campbell, K. L. (2019, November). *Healthy Cognitive Aging: What You Should (and Shouldn't) Be Doing*. Brock University Retirees' Association, St. Catharines, Canada.

Campbell, K. L. (2018, February). *Cognitive and Emotional Aging*. Webinar lecture for Distress and Crisis Ontario's Learning Forum on Aging and the Elderly.

Campbell, K. L. (2018, February). *Healthy Cognitive Aging: What You Should (and Shouldn't) Be Doing*. Niagara Falls University Women's Club, Niagara Falls, Canada.

Campbell, K. L. (2017, May). *Aging Well: Studying Healthy Cognitive Aging in Niagara*. Centre for Lifespan Development Research Speaker Series, St. Catharines, Canada.

Lee, C. & **Campbell, K. L.** (2015, March). *Ageing Artists & Creativity*. Cambridge Science Festival, Cambridge, UK.

Media Exposure

Feb. 3, 2026	"Dementia, attention span and hearing loss — Brock University professor researching how they overlap", The Standard, https://www.stcatharinesstandard.ca/life/health-wellness/dementia-attention-hearing-brock-university/article_3471926c-1165-5ba5-84b6-0143e71c7385.html
Jan. 23, 2026	Radio interview, Niagara in the Morning, Newstalk 610, CKTB
Jan. 21, 2026	"How treating hearing loss can reduce dementia risk", The Brock News, https://brocku.ca/brock-news/2026/01/how-treating-hearing-loss-can-reduce-dementia-risk/?utm_medium=social&utm_campaign=research
Oct. 27, 2025	Radio interview, Niagara in the Morning, Newstalk 610 CKTB
Oct. 24, 2025	"Suspenseful movies shed light on aging and memory", The Brock News, https://send.brocku.ca/t/r-l-tktlidjd-ukjhdhquh-h/

Oct. 22, 2025	"New study reveals why time seems to move faster the older we get", LiveScience, https://www.livescience.com/health/neuroscience/new-study-reveals-why-time-seems-to-move-faster-the-older-we-get
Nov. 14, 2024	"Too many connections? How aging impacts memory and recall", Under the Cortex podcast, Association for Psychological Science, https://www.psychologicalscience.org/news/utc-2024-aging-impacts-memory-recall.html
Nov. 2024	"The many faces of dementia: Representing diverse samples in dementia research", Mind Over Matter Magazine, Vol. 19, Women's Brain Health Initiative
Oct. 9, 2024	"Working memory: education's unfinished revolution", tes magazine, https://www.tes.com/magazine/teaching-learning/general/what-is-working-memory-educations-unfinished-revolution
Aug 26, 2024	"Going off task: Exploring mind wandering in the age brain", Cognitive Neuroscience Society News, https://www.cogneurosociety.org/going-off-task-exploring-mind-wandering-the-aging-brain/
July 10, 2024	"Older adult minds shown to wander less than their younger counterparts", The Brock News, https://brocku.ca/brock-news/2024/07/older-adult-minds-shown-to-wander-less-than-their-younger-counterparts/
June 5, 2024	"CRC Spotlight: Exploring how memory changes as we age", The Brock News, https://brocku.ca/brock-news/2024/06/crc-spotlight-exploring-how-memory-changes-as-we-age/
Aug. 18, 2023	"Brock research explores factors in prosocial behaviours among adults", The Brock News, https://brocku.ca/brock-news/2023/08/brock-research-explores-factors-in-prosocial-behaviours-among-adults/
July 27, 2023	"Many older adults less able to 'refresh' memory, says Brock research", The Brock News, https://brocku.ca/brock-news/2023/07/many-older-adults-less-able-to-refresh-memory-says-brock-research/
Mar. 8, 2022	"The dark side of older adults' motivation to do well in the lab", Psychonomic Society Featured Content, https://featuredcontent.psychonomic.org/the-dark-side-of-older-adults-motivation-to-do-well-in-the-lab/
Dec. 2021	"Distracted and forgetful: Is it healthy aging, early signs of dementia, or ADHD?" Mind Over Matter Magazine, Vol. 13, Women's Brain Health Initiative
June 12, 2020	Consulting editor for National Geographic Bookazine on Memory

Aug. 12, 2020	"Brock preliminary research finds less empathy in COVID-19 scenarios", The Brock News, https://brocku.ca/brock-news/2020/08/brock-preliminary-research-finds-less-empathy-in-covid-19-scenarios/
July 10, 2020	"Prestigious Early Career award recognizes Brock researcher", Education News Canada, https://educationnewscanada.com/article/education/category/achievements/131/845303/prestigious-early-career-award-recognizes-brock-researcher.html
Sept. 8, 2017	"Brock researchers receive $3.8M", St Catharines Standard, http://www.stcatharinesstandard.ca/2017/09/08/brock-researchers-receive-38m
May 3, 2017	"Niagara aging population booming", St Catharines Standard http://www.stcatharinesstandard.ca/2017/05/03/niagara-aging-population-booming
Mar 29, 2017	Guest on "Turtles All The Way Down" Podcast with Jake Koseleci, http://turtlesalltheway.libsyn.com/podcast
Dec. 2, 2016	"Brock University gains two new Canada Research Chairs in workplace injury, aging", The Brock News, https://brocku.ca/brock-news/2016/12/brock-university-gains-two-new-canada-research-chairs-in-workplace-injury-aging/
July 16, 2016	"The brain's blueprint for aging is set early in life", Science News, https://www.sciencenews.org/article/brain-blueprint-aging-set-early-life
May 12, 2016	"Older Adults Struggle More With Test Conditions Than Language Processing", Neuroscience News, http://neurosciencenews.com/aging-language-processing-testing4225/?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+neuroscience-rss-feeds-neuroscience-news+%28Neuroscience+News+Updates%29
Oct. 29, 2015	"Scary Science: A Geek's Guide to Halloween", BuzzFeed, https://www.buzzfeed.com/arranafrood/scary-science-a-geekas-guide-to-halloween-1mmog?utm_term=.seKPMEEg1#.wd30bZZ4o
Aug. 15, 2015	"Individual thinking comes with age", The Times, https://www.thetimes.co.uk/article/individual-thinking-comes-with-age-db2j2673j22
Aug. 14, 2015	"Young minds think alike; older people are more distractible", Science Daily, https://www.sciencedaily.com/releases/2015/08/150814101528.htm
Aug. 14, 2015	"Older People More Easily Distracted than the Young", Neuroscience News, http://neurosciencenews.com/psychology-distraction-aging-2440/
May 1, 2010	"Gray Hair, Silver Lining: The Workings of Wisdom", Psychology Today, https://www.psychologytoday.com/articles/201005/insights-news
Jan. 27, 2010	"Hyper-binding ain't for sissies", Association for Psychological Science News,

http://www.psychologicalscience.org/news/were-only-human/hyper-binding-aint-for-sissies.html

Jan. 25, 2010 "Older brains make good use of 'useless' information", Science Daily, https://www.sciencedaily.com/releases/2010/01/100120161237.htm

Jan. 1, 2010 "Distractions may make us wiser in old age", NBC News, http://www.nbcnews.com/id/35130479/ns/health-aging/t/distractions-may-make-us-wiser-old-age/#.Wh8YU0qnGUl