Jordan L. Poppenk

Department of Psychology,
School of Computing,
and Centre for Neuroscience Studies
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My research combines cognitive, personality, and computational neuroimaging approaches to understand human memory, the brain structures that underlie it, and the contributions of these systems to our diversity in traits and capabilities.

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2020-	Associate Professor and Canada Research Chair *in Cognitive Neuroimaging*	<u>Queen's University</u> Dept. of Psychology, School of Computing & Centre for Neuroscience Studies
2014-2020	Assistant Professor and Canada Research Chair *in Cognitive Neuroimaging*	<u>Queen's University</u> Dept. of Psychology, School of Computing & Centre for Neuroscience Studies
2011-2014	Post-doctoral Research Fellow *Enhanced forgetting of unwanted memories through fMRI-based retrieval monitoring*	<u>Princeton University</u> Advisor: Kenneth Norman
2007-2011	Ph.D. Psychology *Revisiting cognitive and neuropsychological novelty effects*	<u>University of Toronto</u> Advisors: Morris Moscovitch & Anthony McIntosh
2005-2007	M.A. Psychology *Why is novel information remembered well? A test of the novelty effect and its mechanisms*	<u>University of Toronto</u> Advisors: Morris Mosc7.9868 cm (s.2(f) 0.0

July 2022 – May 2023   Parental leave
July 2021 – June 2022   Sabbatical leave
February 2020 – November 2020 Parental leave

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2023	New Frontiers in Research Fund (Collaborator), *$250,000*
2020	NSERC COVID-19 supplement, *$5,280*
2020	SSHRC COVID-19 supplement, *$5,936*
2020	NSERC Discovery Grant Supplement, *$33,000*
2019	NSERC Discovery Grant Supplement, *$33,000*
2019	Canada Research Chair, Tier 2, *$600,000 / 5 yrs*
2018	NSERC Research Tools and Instruments Grant (Co-applicant), *$150,000*
2018	SSHRC Insight Grant, *$84,537 / 4 yrs*
2017	NSERC Research Tools and Instruments Grant (Co-applicant), *$150,000*
2016	CFI Infrastructure Operating Fund, *$12,750*
2016	MRI Ontario Research Fund, *$85,000*
2015	CFI John R. Evans Leaders Fund, *$85,000*
2015	NSERC Discovery Grant, *$165,000 / 5 yrs*
2015	Queen's SARC Faculty Travel Award, *$900*
2014	Canada Research Chair, Tier 2, *$600,000 / 5 yrs*
2013	Cermak Postdoctoral Travel Award, *Memory Disorders Research Society*, $500
2011	NSERC Post-Doctoral Fellowship, *$80000 / 2 yrs*
2007	NSERC Post-Graduate Scholarship – Doctoral, *$63000 / 3 yrs*
2009	Adel S. Sedra Graduate Finalist, *University of Toronto, $1000*
2008	Adel S. Sedra Graduate Finalist, *University of Toronto, $1000*
2008	Travel Sponsorship, *UCLA Institute of Pure and Applied Mathematics, $2000*
2006	Graduate Students Present, *Cognitive Neuroscience Society, $500*
2005	Ontario Graduate Scholarship, *$15000*
2003-5	National In–Course Millennium Scholarship, *$10000 / 2 yrs*
2004	NSERC Undergraduate Summer Research Award, *$4500*

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2016	APS Rising Star, *Association for Psychological Science*
	Early researcher award recognizing high-impact post-PhD research.
2016	Nominee -

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† designates co-first authors. ** designates pre-registered research studies. Underlining designates my students. Italics designates corresponding author.

Refereed journals

1. Squires, S., Investigating Intrusive and Deliberate Rumination as Mediators in the Effects of Perceived Stress on Depression and Anxiety Severity (submitted). *Journal of Affective Disorders.*
2. Nogovitsyn, N., Ballester, P., Lasby, M., Dunlop, K., Ceniti, A.K., Squires, S., Rowe, J, Ho, K.

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15. *Poppenk, J.,* McIntosh, A.R., & Moscovitch, M. (2016). fMRI evidence of equivalent repetition suppression by repetition and prior knowledge. *Neuropsychologia, 90,* 159-169.

16. *Lositsky, O.,* Chen, J., Toker, D., Honey, C.J., Shvartsman, M., Poppenk, J., Hasson, U., & Norman, K.A. (2016). Neural pattern change during encoding of a narrative predicts retrospective duration estimates. *Elife, 5,* 1-40.

17. *Poppenk, J.,* & Norman, K.A. (2014). Briefly cuing memories leads to suppression of their neural representations. *Journal of Neuroscience, 34,* 8010-8020.

18. *Poppenk, J.,* Evensmoen, H., Nadel, L., & Moscovitch, M. (2013). Long-axis specialization in the human hippocampus. *Trends in Cognitive Sciences, 17,* 230-40.

19. *Chapman, H.A.,* Johannes, K., Poppenk, J., Moscovitch, M. & Anderson, A.K. (2013). Evidence for the differential salience of disgust and fear in episodic memory. *Journal of Experimental Psychology: General, 142,* 1100-1112.

20. *Poppenk, J.,* & Norman, K.A. (2012). Familiarization helps contextual features stick to item features: A multi-voxel pattern analysis study. *Neuropsychologia, 50,* 3015-26.

21. *Poppenk, J.,* & Moscovitch, M. (2011). A hippocampal marker of recollection memory ability among healthy young adults: contributions of posterior and anterior segments. *Neuron, 6,* 931-937.

22. *O'Neil, E.,* Protzner, A., McCormick, C., McLean, A., Poppenk, J.

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30. *Davidson, P.*, Tamera, K., & *Poppenk, J.* (major revision). The anterior-posterior hippocampal axis: Relationships of volumes and dentations to episodic memory in normal aging.**

31. ten Hove, J.[†], & *Poppenk, J.*[†] (major revision). Structural variation in hippocampal dentations among healthy young

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Cognitive contributions and hippocampal substrates of long-term memory retrieval.
2013

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8. <u>Bujold, A., Lo, M.,</u> & Poppenk, J. (2021). Structure and function of hippocampal digitations among healthy young adults. Talk presented at the annual meeting of the *Canadian Association of Brain, Behaviour and Cognitive Science,* online.

9. Poppenk, J. & Wilson, D. (2019). EMDR is not "special": De-arousal effects reflect domain-general memory-weakening phenomena. Poster presented at the annual meeting of the *Society for Neuroscience,* Chicago, IL.

10. <u>Lu, Y.,</u> & Poppenk, J. (2019). Familiar movies are less effective at aligning viewers' cognitions. Poster presented at the annual meeting of the *Society for Neuroscience,* Chicago, IL.

11. <u>Gorlick, S.</u>, & Poppenk, J. (2019). Volumetric properties of the hippocampus as predictors of memory. Poster presented at the annual meeting of the *Society for Neuroscience,* Chicago, IL.

12. <u>Tseng, J.</u>, & Poppenk, J. (2019). Conformance of mental events to a group timeline during movie-viewing reflects cognitive ability. Poster presented at the annual meeting of the *Society for Neuroscience,* Chicago, IL.

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22. <u>Matorina, N.</u>, <u>Marvel, G.</u>, & Poppenk, J. (2018). Sleep contributions to hippocampal consolidation of gist memory. Poster accepted for the annual meeting of the *Society for Neuroscience.* San Diego, CA; and talk presented at the *Toronto Area Memory Meeting.* Toronto, ON.
23. <u>Noyes, B.</u>, & Poppenk, J. (2018). Hippocampal characteristics influence the structure of idle thought. Poster presented at the annual meeting of the *Interdisciplinary Conference in Psychology.*

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36. Lositsky, O., Toker, D., Chen, J., Honey, C. J., Poppenk, J., Hasson, U., & Norman, K.A. (2013). Time perception and contextual drift with a naturalistic stimulus. Poster presented at the annual meeting of the *Society for Neuroscience*, San Diego, CA.

37. Poppenk, J., & Norman, K.A. (2012). Moderate reactivation of cued associates leads to forgetting in an RSVP task. Poster presented at the annual meeting of the *Society for Neuroscience*. New Orleans, LA.

38. Poppenk, J., & Norman, K.A. (2011). Familiarization helps contextual features stick to item features: A multi-voxel pattern analysis study. Poster presented at the 2011 annual meeting of the *Society for Neuroscience*. Washington, DC.

39. Bakker, N., Poppenk, J., & Moscovitch, M. (2011). Anterior and posterior hippocampus are embedded in different structural networks: Implications for dual-system models of recognition memory. Poster presented at the annual meeting of the *Canadian Psychological Association*. Toronto, ON.

40. Poppenk, J., & Moscovitch, M. (2010). Why are encounters with familiar materials remembered best? Contributions of semantic and episodic retrieval networks. Poster presented at the annual meeting of the *Cognitive Neuroscience Society*. Montreal, QC.

41. Poppenk, J., & Moscovitch, M. (2009). Enhanced by experience: Superior source memory for familiar over novel scenes is associated with posterior hippocampal activation at encoding. Poster presented at the annual meeting of the *Cognitive Neuroscience Society*. San Francisco, CA.

42. O'Neil, E., Bowles, B., Poppenk, J., & Köhler, S. (2009). Distinct patterns of functional connectivity between perirhinal cortex and other cortical regions in recognition memory and perceptual discrimination. Poster presented at the annual meeting of the *Cognitive Neuroscience Society*. San Francisco, CA.

43. Poppenk, J., Köhler, S., & Moscovitch, M. (2008). Revisiting the novelty effect: When familiarity, not novelty, enhances memory. Poster presented at the annual meeting of the *Canadian Society for Brain, Behaviour and Cognitive Science*. London, ON.

44. Poppenk, J., Talmi, D., Moscovitch, M., Anderson, A.K., & McIntosh, R. (2008). Emotional modulation of the hippocampus by the amygdala: functional connectivity analysis supports an attention-gated dual pathway model. Poster presented at the annual meeting of the *Cognitive Neuroscience Society*. San Francisco, CA.

45. Bowles, B., O'Neil, E., Poppenk, J., Mirsattari, S., & Köhler, S. (2008). Direct fMRI evidence for preserved hippocampus functioning after partial removal of anterior temporal lobe input structures. Poster presented at the annual meeting of the *Cognitive Neuroscience Society*. San Francisco, CA.

46. Poppenk, J., Köhler, S., Moscovitch, M., & McIntosh, A.R. (2007). Sentence novelty induces increased hippocampal-prefrontal functional connectivity. Poster presented at the annual meeting of the *Cognitive Neuroscience Society*. New York, NY.

2021   Guest supervisor, PSYC 501
2014, 2015, 2016, 2017, 2018, 2019
                Lecturer, Introduction to Psychology (PSYC 100) – semester 1
                Guest lecturer (COGS100; PSYC203; PSYC907; PSYC921)

2005-2008   Teaching Assistant, University of Toronto

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designates current students

Ph.D. students
1. Scott Squires*, Centre for Neuroscience Studies

M.A. students
1. Tristan De Cotiis*, Psychology
2. Tabatha Blaney-Gale*, Psychology
3. Sydney Gorlick, Psychology, 2020
4. Yun Lu, Psychology, 2020
5. Julie Tseng, Centre for Neuroscience Studies, 2019
6. Julia Ten Hove, Anatomical Sciences, 2019
7. Nelly Matorina, Psychology, 2018
8. Erika Peter, Psychology, 2017
9. Philip Aucoin (co-supervised), Psychology, 2017

International exchange students
1. Patrik Meyer, Albert-Ludwigs-Universität Freiburg, 2019
2. Mareike Witthöft, Université de Bordeaux, 2017
3. Moritz Ebeling-Rump, Weierstraß-Institut, 2016
4. Jarryd Osborne, Yale University, 2017
5. Carolin Brockhaus, Rijksuniversiteit Gronigen, Fall 2015

Honours theses (or equivalent):
1. Mikayla Reymer, Psychology, 2023
2. Zoë Fletcher, Psychology, 2023
3. Sara Pollannen, Health Sciences, 2023
4. Freda Li, DBMS, 2023
5. Adam Levitan, DBMS, 2023
6. Serena Emond, Psychology, 2023
7. Ana Storer, DBMS, 2022
8. Hailey Goddeeris, Psychology, 2020
9. Julia McPolin, Computing, 2020
10. Sara Wilson, Psychology, 2020
11. Ailish Connors, Psychology, 2019
12. Lydia Luchich, Psychology, 2019
13. Justin Ng, Life Sciences, 2019
14. Natalie Doan, Psychology, 2018
15. Natasha Leung, Psychology, 2018
16. David Westcott, Psychology, 2018
17. Stephanie Cheung, Psychology, 2017
18. Andrea Ianni, Psychology, 2017
19. Annie Wang, Psychology, 2017
20. Steven Fry, Computing, 2016
21. Alex Loro, Psychology, 2016
22. Matthew Palma, Computing, 2016
23. Aidan Dusseault, Computing, 2016
24. Lindsay Groat, Psychology, 2015

Independent study course supervisions, undergraduate
Note: students completing more multiple courses are listed once for each course supervised. Dates designate the year and semester each course was completed.

1. Sofia Bubnov, Winter 2024
2. Sophia Shepherd, Winter 2024
3. Will Howard, Winter 2024
4. Alex Fonarev, Winter 2024
5. Maya Biswas, Winter 2024
6. Talia Ponesse, Fall 2023

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7. Mianzhi Hu, Winter 2022
8. Ariana Bujold, Winter 2021
9. Louis Chitiz, Winter 2021
10. Grace Edmonds, Winter 2021
11. Mianzhi Hu, Winter 2021
12. Margret Lo, Winter 2021
13. Natasha Barich, Winter 2020
14. Brooke Nancekivell, Winter 2020
15. Rahul Patel, Winter 2020
16. Aleksander Biorac, Winter 2019
17. Brendan Lam, Winter 2019
18. Holly McDougall, Winter 2019
19. Victoria Bolitho, Fall 2018
20. Samantha Simpson, Fall 2018
21. Aleksander Biorac, Fall 2018
22. Brendan Lam, Fall 2018
23. Jun Luo, Fall 2018
24. Holly McDougall, Fall 2018
25. Katie Carson, Fall 2018
26. Adam Sunavsky, Fall 2018
27. Nigel Barnim, Winter 2018
28. Sarah Berger, Winter 2018
29. Lauren DeMone, Winter 2018
30. Sophie Kinley, Winter 2018
31. Lindsay Lo, Winter 2018
32. Lydia Luchich, Winter 2018
33. Megan Fleming, Winter 2018
34. Madeline Gilles, Winter 2018
35. Gillian Marvel, Winter 2018
36. Jiani Wang, Winter 2018
37. Lauren DeMone, Fall 2017
38. Megan Fleming, Fall 2017
39. Gillian Marvel, Fall 2017
40. Zhun Miao, Fall 2017

41. Paula Rojas, Fall 2017
42. Jess Schnabel, Fall 2017
43. Jiani Wang, Fall 2017
44. Anna Teng, Summer 2017
45. Mary Hoekstra, Fall 2017
46. Charissa Lam, Fall 2017
47. Nora Fenton, Winter 2017
48. Riley Karson, Winter 2017
49. Ryan Kirkpatrick, Winter 2017
50. Blake Noyes, Winter 2017
51. Shani Pupco, Winter 2017
52. Akanksha Sharma, Winter 2017
53. Jordana Wasserman, Winter 2017
54. Nora Fenton, Fall 2016
55. Claire Honda, Fall 2016
56. Ryan Kirkpatrick, Fall 2016
57. Hunter Lloyd, Fall 2016
58. Blake Noyes, Fall 2016
59. Shani Pupco, Fall 2016
60. Akanksha Sharma, Fall 2016
61. Sara Bocchinfuso, Winter 2016
62. Gabriella Boccone, Winter 2016
63. Ellen Jopling, Winter 2016
64. Katheron Intson, Winter 2016
65. Ioana Petrar-Silca, Winter 2016
66. Jordana Wasserman, Fall 2016
67. Lauren Smail, Winter 2016
68. Shaughnelene Smith, Winter 2016
69. Katereena Choi, Fall 2016

11. Baylee Balfour, Undergraduate Student Summer Research Fellowships, 2017
12. Jordana Wasserman, NSERC Undergraduate Student Research Award, 2016
13. Mary Hoekstra, Summer Work Experience Program, 2016
14. Jeffrey Mountjoy, Employee, 2014-2015

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