

Jordan L. Poppenk

Department of Psychology,
School of Computing,
and Centre for Neuroscience Studies
Queen's University
62 Arch St., Kingston, ON, K7L 3N6

Office: (613) 533 6009
Email: jpoppenk@queensu.ca
Website: popmem.psyc.queensu.ca

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.

Academic career

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 <i>Enhanced forgetting of unwanted memories through fMRI-based retrieval monitoring</i>	<u>Princeton University</u> Advisor: Kenneth Norman
2007-2011	Ph.D. Psychology <i>Revisiting cognitive and neuropsychological novelty effects</i>	<u>University of Toronto</u> Advisors: Morris Moscovitch & Anthony McIntosh
2005-2007	M.A. Psychology <i>Why is novel information remembered well? A test of the novelty effect and its mechanisms</i>	<u>University of Toronto</u> Advisors: Morris Moscovitch & Anthony McIntosh
2001-2005	B.Sc. (Hons.) Psychology <i>The neural substrates of the verbatim effect for auditorily apprehended information: revealed with fMRI</i>	<u>University of Western Ontario</u> Advisor: Stefan Köhler

Leaves of absence

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

Grants and awards

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

Academic Honours

2016 **APS Rising Star**, *Association for Psychological Science*
 Early researcher award recognizing high-impact post-PhD research.
 2016 **Nominee - W.J. Barnes Teaching Award**, *Arts & Science Undergraduate Society*
 Nomination for faculty teaching prize.
 2016 **Nominee - Frank Knox Teaching Award**, *Alma Mater Society of Queen's University*
 Nomination for faculty teaching prize.
 2009 **Psychological Science Superstars Award**, *American Psychological Association*
 Abstract selected for featured presentation.
 2008 **Clarkson Laureate**, *Right Honourable Adrienne Clarkson, former Gov. Gen. of Canada*
 Award for meritorious public service.

Publications

† 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., Suh, J., Hassel, S., Souza, R., Casseb, R.F., Harris, J.K., Zamyadi, M., Arnott, S.R., Strother, S.C., Hall, G., Lam, R.W., **Poppenk, J.**, Lebel, C., Bray, S., Metzack, P., MacIntosh, B.J., Goldstein, B.I., Wang, J., Rizvi, S.J., MacQueen, G., Addington, J., Harkness, K.L., Rotzinger, S., Kennedy, S.H., Frey, B.N. (2024). An empirical analysis of structural neuroimaging profiles in a staging model of depression. *Journal of Affective Disorders*, 351, 631-640.
3. Rowe, J., **Poppenk, J.**, Squires, S.D., Mazurka, R., Nogovitsyn, N., Hassel, S., Zamyadi, M., Arnott, S.R., Rotzinger, S., Kennedy, S.H., Milev, R.V., Harkness, K.L. (2023). Anxious Arousal Predicts Within-Person Changes in Hippocampal Volume in Adults with a History of Childhood Maltreatment.
4. Hu, M., Squires, S., Milev, R., & **Poppenk, J.** (2023). Data and alternative models describing the associations among non-infection pandemic stress, event-related rumination, depression, and anxiety. *Data in Brief*, 46, 108864.
5. Squires, S., Hu, M., Milev, R., & **Poppenk, J.** (2022). The Impact of Non-Infection Pandemic Stress on Depression and Anxiety Severity: Investigating Mediation by Intrusive and Deliberate Rumination. *Journal of Affective Disorders*, 310, 291-295.
6. Matorina, N., & **Poppenk, J.** (2021). REM negatively predicts statistical learning but not other forms of gist. *Neurobiology of Learning and Memory*, 107519, 1-15.**
7. de Brouwer, A.J., Areshenkoff, C.N., Rashid, M.R., Flanagan, J.R., **Poppenk, J.**, & Gallivan, J.P. (2022). Human Variation in Error-Based and Reinforcement Motor Learning Is Associated With Entorhinal Volume. *Cerebral Cortex*, bhab24, 1-18.
8. Matorina, N., & **Poppenk, J.** (2021). REM negatively predicts statistical learning but not other forms of gist. *Neurobiology of Learning and Memory*, 107519, 1-15.**
9. Tseng, J.†, & **Poppenk, J.**† (2020). Brain network meta-state transitions delineate the boundaries of spontaneous thoughts. *Nature Communications*, 11, 1-12.
10. **Poppenk, J.** (2020). Uncal apex position varies with normal aging. *Hippocampus*.
11. Sunavsky, A.†, & **Poppenk, J.**† (2020). Neuroimaging predictors of creativity in healthy adults. *NeuroImage*. **
12. **Poppenk, J.** (2020). An anatomically guided examination of functional gradients in the hippocampus. *Cortex*.
13. **Poppenk, J.** (2020). Multimodal brain data and core dimensions of creativity. *Data in Brief*, 29, 105176.
14. **Poppenk, J.**, & Norman, N. (2017). Multiple-object tracking as a tool for parametrically modulating memory reactivation. *Journal of Cognitive Neuroscience*, 29, 1339-1354.

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.**, Cate, A., & Köhler, S. (2011). Distinct patterns of functional connectivity between perirhinal cortex and other cortical regions in recognition memory and perceptual discrimination. *Cerebral Cortex*, *22*, 74-85.
23. Bowles, B., O'Neil, E., Mirsattari, S., **Poppenk, J.**, & Köhler, S. (2011). Preserved hippocampal novelty responses following anterior temporal-lobe resection that impairs familiarity but spares recollection. *Hippocampus*, *21*, 847-854.
24. **Poppenk, J.**, Köhler, S., & Moscovitch, M. (2010). Revisiting the novelty effect: When familiarity, not novelty, enhances memory. *Journal of Experimental Psychology: Learning, Memory & Cognition*, *36*, 1321-1330.
25. **Poppenk, J.**, McIntosh, A.R., Craik, F.I.M., & Moscovitch, M. (2010). Prior experience modulates the neural mechanisms of episodic memory formation. *Journal of Neuroscience*, *30*, 4707-4716.
26. **Poppenk, J.**, Moscovitch, M., McIntosh, A.R., Ozcelik, E, & Craik, F.I.M. (2010). Encoding the future: Successful processing of intentions engages predictive brain networks. *NeuroImage*, *49*, 905-913.
27. **Poppenk, J.**, Walia, G., Joanisse, M., McIntosh, A.R., & Köhler, S. (2008). Why is the meaning of sentences better remembered than their form? An fMRI study on the role of novelty-encoding processes. *Hippocampus*, *18*, 909-18.

In progress

28. Tseng, J., Kirby, J., & **Poppenk, J.** (major revision). Anterior hippocampus contributes to reading comprehension by supporting gist-related aspects of situation model construction.**
29. **Poppenk, J.** & Wilson, D. (major revision). EMDR-like de-arousal of aversive memories does not require deliberate recall and recruits domain-general forgetting mechanisms.

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 adults.

Pre-registrations and proceedings for pending manuscripts

1. *Gorlick, S., & Poppenk, J.* (2019). Neural Correlates of Detail and Gist Memory.
2. *Poppenk, J.* (2018). Predictors of adult hippocampal neurogenesis.
3. *Poppenk, J.* (2018). Hippocampal correlates of source memory in healthy adults.
4. *Simpson, S., & Poppenk, J.* (2018). Hippocampal Predictors of Face Memory.
5. *DeMone, L., Maunder, L., & Poppenk, J.* (2018). Hippocampal Correlates of Intelligence in Healthy Adults.
6. *Maunder, L., DeMone, L., Poppenk, J., & Chivers, M.* (2018). Contribution of Penile-Vaginal Intercourse, Romantic and Passionate Love to Hippocampal Volume and Pattern Separation Ability.
7. *Harrison, G., Shaul, E., Aucoin, P., Poppenk, J., & Wilson, D.* (2018). Multiple-object tracking as a tool for parametrically modulating memory reactivation. *Journal of Vision*, 18(10).

Invention disclosures

1. *Poppenk, J.* (2019). Emotional blunting of traumatic memories using home mobile-device software.
2. *Poppenk, J., & Tseng, J.* (2018). Mental trajectory analysis.

Selected Talks

- 2022 National Institutes of Neurological Disorders and Stroke. Bethesda, Maryland.
Mental trajectory analysis in sleeping participants.
- 2019 Royal Ottawa Hospital Brain Imaging Centre. Ottawa, Ontario.
Hippocampal gist as an anchor for the wandering mind.
- 2017 Matariki Spring School. Tübingen, Germany.
A meaningful smile: Facial cognition as a tool for understanding human gist memory.
- 2016 Memory Disorders Research Society. Princeton, NJ.
Genetic control over the human hippocampus.
- 2015 Morris Moscovitch Festschrift. Toronto, Ontario.
fMRI evidence of equivalent neural priming by recent stimulus repetition and remote knowledge.
- 2015 Lake Ontario Visionary Establishment. Niagara Falls, Ontario.
Of unflattering proportions: How hippocampi with large posteriors produce detailed memories.
- 2014 Georgia Institute of Technology, The Ohio State University, Queen's University, and The University of Chicago.

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

- 2013 Memory Disorders Research Society. Toronto, Ontario.
Weakly cueing memories leads to suppression of their neural representations.
- 2012 Memory Disorders Research Society. Davis, California.
Differential contributions of the anterior and posterior hippocampus to human memory.
- 2011 University of Toronto Scarborough. Toronto, Ontario.
Influences of long-term memory on human cognitive and neural dynamics.
- 2009 American Psychological Association. Toronto, Ontario.
Familiarity enhances memory by facilitating deeper processing.
- 2008 Rotman Research Institute (Rotman Rounds). Toronto, Ontario.
Does experience change the way we make memories?
- 2006 Cognitive Neuroscience Society. San Francisco, California.
Why is form poorly remembered? An fMRI study on the role of novelty-encoding processes.

Conference Presentations

1. Li, F., Emond, S., Squires, S., Milev, R., Olmstead, M., & Poppenk, J. (2023). The effects of dmPFC-iTBS on the phenomenology of repetitive thought – A pilot investigation. Poster presented at the annual meeting of the *Southern Ontario Neuroscience Association*, Scarborough, ON.
2. Squires, S. D., Tseng, J., Mojdeh, Z., Hassel, S., Strother, S. C., MacQueen G., Kennedy, S. H., Milev, R. V., Harkness, K. L., & Poppenk, J. (2021). Brooding and reflection as trait predictors of mentation rate measured via wholebrain network activity transitions during resting-state fMRI: A CAN-BIND-4 analysis. Virtual poster presentation at the annual meeting of the *Society for Neuroscience*.
3. Hu, M., Squires, S.D., Milev, R.V., & Poppenk, J. (2021). The impact of non-infection pandemic-related stress on depression and anxiety severity: Investigating mediation by intrusive and deliberate rumination. Virtual poster presentation at the annual meeting of the *Society for Research in Psychopathology*.
4. Squires, S.D., Milev, R. V., Harkness, K.L., & Poppenk, J. (2021). Omnibus inventory of trait rumination questionnaires has a multi-factorial structure representing deliberate analysis, positive thinking, and distressing rumination. Virtual poster presentation at the *Society for Research in Psychopathology*.
5. Squires, S. D.*, Tseng J., Zamyadi, M., Hassel S., Strother, S. C., MacQueen, G. M., Kennedy, S. H., Milev, R. M., Harkness, K. L., & Poppenk, J. (2020). Mentation rate during resting state fMRI and trait depressive rumination: Is there a difference between depressed and never-depressed individuals? 15-minute presentation at the *Neuromatch 3.0 international online conference*.
6. Patel, R., & Poppenk, J. (2021). Uncal apex movement and ositioning in Alzheimer's disease. Poster presented at the annual meeting of the *Canadian Psychological Association*, online.
7. Lo, M., Bujold, A., & Poppenk, J. (2021). Structure and function of hippocampal dentations among healthy young adults. Talk presented at the annual meeting of the *Canadian Association of Brain, Behaviour and Cognitive Science*, online.

8. Bujold, A., Lo, M., & 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. Lu, Y., & 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. Gorlick, S., & 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. Tseng, J., & 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.
13. **Poppenk, J.** (2019). New directions in hippocampal cognitive neuroanatomy. Talk presented at the annual meeting of the *Memory Disorders Research Society*, New York, NY.
14. Squires, S., Poppenk, J., Zamyadi, M., Hassel, S., MacQueen, G., Strother, S., Milev, R., Kennedy, S., & Harkness, K. (2019). Fronto-Amygdala resting-state functional connectivities as mediators in the relations between types of childhood maltreatment and depression severity in adults: A preliminary CAN-BIND analysis. Poster presented at the annual meeting of the *Society for Research in Psychopathology*. Buffalo, NY.
15. Tseng, J., Kirby, J., & Poppenk, J. (2019). Get the gist? Larger anterior hippocampi predict better adult reading comprehension and passage gist recall. Talk presented at the annual meeting of the *Society for the Scientific Study of Reading*, Toronto, Ontario.
16. Matorina, N., & Poppenk, J. (2018). The early bird gets the gist: Sleep contributions to gist extraction. Poster presented at the annual meeting of the *Society for Neuroscience*, San Diego, California.
17. Tseng, J., & Poppenk, J. (2018). *Hippocampal characteristics influence the structure of idle thought*. Poster presented at the annual meeting of the *Society for Neuroscience*, San Diego, California.
18. **Poppenk, J., Demone, L., Doan, N., Wasserman, J., & Petrar-Silca, I.** (2018). *Anterior hippocampus volumes predict recall of synthesized but not moment-by-moment meaning of simulated events*. Poster presented at the annual meeting of the *Society for Neuroscience*, San Diego, California.
19. **Poppenk, J.** (2018). *A hippocampal compass for navigating the wandering mind*. Talk presented at the annual meeting of the *Memory Disorders Research Society*, Toronto, Ontario.
20. **Poppenk, J., Doan, N., Wasserman, J., DeMone, L., & Petrar-Silca, I.** (2018). Anterior and posterior hippocampal contributions to extraction of schematic information from naturalistic experiences. Poster accepted for the annual meeting of the *Society for Neuroscience*. San Diego, CA.
21. Tseng, J., & Poppenk, J. (2018). Hippocampal characteristics influence the structure of idle thought. Poster accepted for the annual meeting of the *Society for Neuroscience*. San Diego, CA.

22. Matorina, N., Marvel, G., & 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. Noyes, B., & Poppenk, J. (2018). Hippocampal characteristics influence the structure of idle thought. Poster presented at the annual meeting of the *Interdisciplinary Conference in Psychology*. Ottawa, ON.
24. Aucoin, P., Wilson, D., & Poppenk, J. (2017). Think / no-think instructions modulate memory consolidation during rest. Poster presented at the annual meeting of the *Association for Psychological Science*. Boston, MA.
25. Peter, E., Groat, L., Fenton, N., & Poppenk, J. (2017). Evidence for dissociable gist and detail constructs in human memory. Poster presented at the annual meeting of the *Association for Psychological Science*. Boston, MA.
26. Matorina, N., Sharma, A., Loro, A., & Poppenk, J. (2017). No-think procedures weaken only individual parts of memories. Poster presented at the annual meeting of the *Association for Psychological Science*. Boston, MA; and talk presented at the annual *Toronto Area Memory Meeting*. Toronto, ON.
27. **Poppenk, J.** (2016). Genetic control over the human hippocampus. Talk presented at the annual meeting of the *Memory Disorders Research Society*, Princeton, NJ.
28. **Poppenk, J.** (2016). Impacts of stimulus familiarity on new episodic encoding. Symposium talk presented at the annual meeting of the *Cognitive Neuroscience Society*, New York, NY.
29. Smith, S., Choi, J., & Poppenk, J. (2016). Heritability of neuroanatomical properties of the human hippocampus. Poster presented at the annual meeting of the *Southern Ontario Neuroscience Association*. Waterloo, ON.
30. Groat, L., & Poppenk, J. (2016). Pattern Separation and Completion: Relation to Our Traits and Abilities. Poster presented at the annual meeting of the *Ontario Undergraduate Thesis Conference*. London, ON.
31. **Poppenk, J.** (2015). Beyond Cartesian Coordinates: a framework for whole-brain imaging in a standard 1D space. Poster presented at the annual meeting of the *Organization for Human Brain Mapping*, Honolulu, HI.
32. Mountjoy, J., & Poppenk, J. (2015). Introducing SuperPsychToolbox: An open-source tool to facilitate coding and analysis of psychology experiments. Poster presented at the annual meeting of the *Canadian Society for Brain, Behaviour, and Cognitive Science*, Ottawa, ON.
33. **Poppenk, J., McIntosh, A.R., & Moscovitch, M.** (2015). fMRI evidence of equivalent neural priming by recent stimulus repetition and remote knowledge. Talk presented at the *Morris Moscovitch Festschrift*. Toronto, ON.
34. **Poppenk, J., & Moscovitch, M.** (2015). Of unflattering proportions: How hippocampi with large posteriors produce detailed memories. Talk presented at annual meeting of the *Lake Ontario Visionary Establishment*. Toronto, ON.
35. **Poppenk, J., & Norman, K.A.** (2013). Briefly cueing memories leads to suppression of their neural representations. Poster presented at the annual meeting of the *Society for Neuroscience*, San Diego, CA, and *Psychonomics*, Toronto, ON.

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.

Undergraduate courses taught

- 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

Research supervision

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

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

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. Jihoon Choi, Fall 2015
70. Katheron Intson, Fall 2015
71. Shaughnelene Smith, Fall 2015
72. Jihoon Choi, Summer 2015
73. Drew Metcalfe, Winter 2015
74. Kristen Antoniak, Fall 2014

Full-time student research assistants

1. Heather Reid, NSERC Undergraduate Student Research Award, 2024
2. Freda Li, Undergraduate Student Summer Research Fellowships, 2023
3. Louis Chitiz, Summer employee, 2021
4. Adam Sunavsky, NSERC Undergraduate Student Research Award, 2019
5. Rahul Patel, NSERC Undergraduate Student Research Award, 2019
6. Adam Sunavsky, NSERC Undergraduate Student Research Award, 2018
7. Lauren DeMone, Undergraduate Student Summer Research Fellowships, 2018
8. Astral Cai, Summer Work Experience Program, 2017
9. Carter Cook, Summer Work Experience Program, 2017
10. Stephanie Cheung, NSERC Undergraduate Student Research Award, 2017

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

Committees

2023-	GREB Research Ethics Representative, Psychology
2023-	Board of Directors (Queen's faculty/staff representative), CFRC 101.9FM
2024	Curriculum Review Committee, Cognitive Neuroscience Area
2023	CFI grant review committee, Faculty of Arts & Science
2021-2022	Board of Directors (Queen's faculty/staff representative), CFRC 101.9FM
2021	Curriculum Committee, Arts & Science
2019-2020	Graduate Council Fellowships subcommittee, Arts & Science
2014-present	BBCS Area Committee, Psychology
2019	Merit Committee, Psychology
2016-2018	Executive Council, Centre for Neuroscience
2015-2018	Undergraduate Committee, Psychology
2018	Advisor to Appointments Committee, Psychology
2016-2018	Appointments Committee, Psychology
2015-2017	PSYC100 Review Committee, Psychology
2014-2016	Library Officer, Psychology

Graduate examinations

<u>Name of Student</u>	<u>Department</u>	<u>Exam</u>	<u>Role</u>
		<i>2023</i>	
Lisa Crocco	Psychology	M.Sc. thesis	Chair
		<i>2021</i>	
Jessica Rowe	Psychology	Ph.D. thesis	Internal examiner
Adrian Schneider	School of Computing	Ph.D. thesis proposal	Committee member
Spencer Finn	Ctr. for Neuroscience Studies	Master's thesis	Chair
Pujawati Gondowijoyo	Management	Ph.D. thesis	Chair
		<i>2020</i>	
Sydney Gorlick	Psychology	Master's thesis	Supervisor
Yun Lu	Psychology	Master's thesis	Supervisor
		<i>2019</i>	
Kevin Zhou	Psychology	Master's thesis proposal	Committee member
Sydney Gorlick	Psychology	Master's thesis proposal	Supervisor
Yun Lu	Psychology	Master's thesis proposal	Supervisor
Pelin Tan	Psychology	Master's thesis	Internal Examiner
Julie Tseng	Ctr. for Neuroscience Studies	Master's thesis	Supervisor
Julia Ten Hove	DBMS	Master's thesis	Supervisor
Steven Lamontagne	Psychology	Comprehensive exam	Committee member
Karolina Krzys	Psychology	Comprehensive exam	Committee member
Geoffrey Harrison	Psychology	Comprehensive exam	Committee member

2018

Nelly Matorina	Psychology	Master's thesis	Supervisor
Faizan Imtiaz	Psychology	Ph.D. thesis	Internal Examiner
Lindsay Yessick	Psychology	Master's thesis	Internal Examiner
Pelin Tan	Psychology	Master's thesis proposal	Committee member
Mohammad Dastgieb	Psychology	Master's thesis proposal	Committee member

2017

Seamas Weech	Psychology	Ph.D. thesis	Examiner
Erika Peter	Psychology	Master's thesis	Supervisor
Philip Aucoin	Psychology	Master's thesis	Supervisor
Alison Crawford	Psychology	Master's thesis	Chair
Karen Lee	Psychology	Master's thesis	Internal Examiner
Karen Lee	Psychology	Master's thesis, 2 nd attempt	Internal Examiner
Steven Lamontagne	Psychology	Master's thesis	Internal Examiner
Prateek Dhamija	Psychology	Master's thesis	Internal Examiner
Saba Farbodkia	Ctr. for Neuroscience Studies	Comprehensive exam	Committee member
Suzette Fernandes	Psychology	Master's thesis proposal	Committee member
Lindsay Yessick	Psychology	Master's thesis proposal	Committee member

2016

Adrian Schnieder	School of Computing	PhD. thesis proposal	Supervisory Committee
Anja-Xiaoxing Cui	Psychology	Master's thesis	External examiner
Pauline Leung	Psychology	Master's thesis	Chair
Seamas Weech	Psychology	Comprehensive exam	Committee member
Lauren Mak	Psychology	Comprehensive exam	Committee member
Erika Peter	Psychology	Master's thesis proposal	Supervisor
Philip Aucoin	Psychology	Master's thesis proposal	Supervisor
Karen Lee	Psychology	Master's thesis proposal	Committee member
Prateek Dhamija	Psychology	Master's thesis proposal	Committee member

2015

Geoffrey Harrison	Psychology	Master's thesis	Head's Delegate
Brandie Stewart	Ctr. for Neuroscience Studies	Ph.D. thesis	Head's Delegate
Benedict Chang	Ctr. for Neuroscience Studies	Master's thesis	External Examiner

2014

Anja-Xiaoxing Cui	Psychology	Comprehensive exam	Committee member
-------------------	------------	--------------------	------------------

Ad-hoc review activities

- Grant reviews:
 - o 2024: 1 reviews
 - o 2023: 1 reviews
 - o 2020: 1 review
 - o 2018: 2 reviews
 - o 2017: 2 reviews
 - o 2016: 2 review
- Journals:
 - o 2024: 2 reviews
 - o 2023: 3 reviews
 - o 2021: 7 reviews
 - o 2020: 1 review
 - o 2019: 9 reviews
 - o 2018: 7 reviews

- 2017: 12 reviews
- 2016: 15 reviews
- 2015: 11 reviews
- 2014: 13 reviews
- 2013: 11 reviews
- 2012: 11 reviews
- 2011: 8 reviews

Journals have included: *AIMS Neuroscience, Brain Research, Canadian Journal of Behavioural Science, Cerebral Cortex, Cognitive, Affective & Behavioural Neuroscience, eNeuro, Experimental Aging Research, Frontiers in Psychology, Hippocampus, Human Brain Mapping, Journal of Cognitive Neuroscience, Journal of Neurophysiology, Journal of Neuroscience, Memory, National Library of Medicine, Nature Communications, Nature Human Behavior, NeuroImage, Neuroscience Letters, Neuron, Neuropsychologia, Neuropsychopharmacology, PNAS, Progress in Neurobiology, Quarterly Journal of Experimental Psychology, WIREs Cognitive Science*

Media: Newsweek (2020), CBC News (2020), Vice (2020), PsyPost (2019); CBC News (2016)

Other service activities

2018 Organizer, *Pre-registration seminar*
2015-2017 Organizer, *The Cognitive Revolution seminar*

Professional Affiliations

Memory Disorders Research Society (MDRS)
Connected Minds
Canadian Biomarker Integration Network in Depression (CAN-BIND)
Association for Psychological Sciences (APS)
Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS)
Cognitive Neuroscience Society (CNS)
Organization for Human Brain Mapping (OHBM)
Society for Neuroscience (SFN)