

Monica S. Castelhana

Curriculum Vitae

General Information

Mailing Address:

Department of Psychology
Queen's University
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Education

September 2002 – August 2005

Ph.D. Psychology, *Specialization in Cognitive Science*, Michigan State University

September 2000 – August 2002

M.A. Psychology, Michigan State University

September 1995 – August 2000

B.Sc. Psychology, Minor: *Physiology*, University of Toronto

Employment

July 2020 – present

Professor, Department of Psychology, Queen's University

July 2013 – June 2020

Associate Professor, Department of Psychology, Queen's University

July 2007 – June 2013

Assistant Professor, Department of Psychology, Queen's University

September 2005 – June 2007

Postdoctoral Fellow, Department of Psychology, University of Massachusetts - Amherst

Leaves

November 2010 – August 2011 Parental Leave

August 2011 – December 2011 Bereavement Leave

August 2012 – August 2013 Parental Leave

December 2014 – December 2015 Parental Leave

Research Funding History

2025-2029 Bruce Mitchell Research Fund, PhD Trainee Fellowship

2024-2025 SSHRC Connection Grant, PRAID Workshop (Co-PI: Nancy Salay, Phil.)

2021-2022 Leverhulme Trust Visiting Professorship (UK)

2019-2022 Queen-Dartmouth Innovation Fund (Co-PI with Dr. Peter Tse, Dartmouth)

2018-2023 Discovery Grant, Natural Sciences and Engineering Council of Canada

- 2018-2021 Discovery Accelerator Grant, Natural Sciences and Engineering Council of Canada
 2015-2020 Early Researcher Award, Ontario Ministry of Research & Innovation
 2014-2016 Senate Advisory Research Committee Award, Queen's University
 2013-2018 Discovery Grant, Natural Sciences and Engineering Council of Canada
 2010-2015 Infrastructure Operating Fund, Canada Foundation for Innovation
 2009 World University Network Grant, Southampton University, UK (Co-PI)
 2009 Office of Research Travel Award, Queen's University
 2009-2012 Leader's Opportunity Fund, Canada Foundation for Innovation
 2009-2012 Research Infrastructure program, Ontario Ministry of Research & Innovation
 2008-2009 Advisory Research Committee Grant, Queen's University
 2008 Office of Research Travel Grant, Queen's University
 2008-2013 Discovery Grant, Natural Sciences and Engineering Council of Canada
 2007 Research Initiation Grant, Queen's University
 2006 Visual Neuroscience European Summer School Fellowship
 2002-2005 Michigan State University Graduate School Fellowship given on behalf of the NSF Integrated Graduate Education and Research Training Program (IGERT)

Publications & Manuscripts

(h-index: 30; citations 7338, *Google Scholar*, Feb 28, 2024)

(Students in Bold)

46. **Krzyś, K., Man, L.L.-Y.,** Wammes, J.D. & Castelhana, M.S. (in press). The Foreground Bias: Semantic inconsistency effects reduced when searching across depth. *Psychonomic Bulletin & Review*.
45. **Krzyś, K., Krzys, K. J., Mistry, M., Yan, T. Q.** & Castelhana, M.S. (under review). Using contextual guidance to examine the allocation of attention. *Journal of Experimental Psychology: Human Perception and Performance*.
44. **Man, L.L.-Y., Krzyś, K.** & Castelhana, M.S. (in revision). The Foreground Bias: Differing impacts across depth on visual search in scenes. *Attention, Perception & Psychophysics*.
43. **Krzyś, K.,** Francuz, P. & Castelhana, M.S. (under revision). Where do I go from here?: Spatial navigation strategy and disorientation when switching environments. *Vision Research*.
42. **Krzyś, K., Avitzur, C.,** Williams, C.C. & Castelhana, M.S. (under review). Violating expectations: pitting prior knowledge vs. immediate previous experience in search. *Journal of Vision*.
41. **Man, L.L.-Y.,** Flores, L., & Castelhana, M.S. (in revision). General and social cognitive processing across levels of depression symptoms. *Psychiatric Research*.
40. **Krzs, K. J., Mistry, M., Yan, T. Q.,** & Castelhana, M. S. (2023). Predicting the Allocation of Attention: Using contextual guidance of eye movements to examine the distribution of

- attention. In Proceedings of the 2023 Symposium on Eye Tracking Research and Applications (pp. 1-10).
39. Castelhana, M.S. (2023). Deriving Cognitive Strategies from Fixations during Visual Search in Scenes. In *Proceedings of the 2023 Symposium on Eye Tracking Research and Applications* (pp. 1-2).
38. **Moskowitz, J. B.**, Fooker, J., Castelhana, M. S., Gallivan, J. P., & Flanagan, J. R. (2023). Visual search for reach targets in actionable space is influenced by movement costs imposed by obstacles. *Journal of Vision*, 23(6), 4-4.
37. **Moskowitz, J. Berger, S.A.**, Castelhana, M.S., Gallivan, J.P. & Flanagan, J.R. (2023). The influence of movement-related costs when searching to act and acting to search. *Journal of Neurophysiology* 129 (1), 115-130.
36. Castelhana, M.S., & Williams, C. C. (2021). *Scene Perception* (Elements in Perception). Cambridge: Cambridge University Press. doi:10.1017/9781108924092
35. **Fernandes, S.** & Castelhana, M.S. (2021). The Foreground Bias: Initial Scene Representations across the Depth Plane. *Psychological Science*, 32(6),890-902.
34. Castelhana M.S. & **Krzyś, K.** (2020). Rethinking Space: An overview of perception, attention and memory in scenes. *Annual Review of Vision Science*, 6, 563-586.
33. **Pereira, E.J.** & Castelhana, M.S. & (2019). Attentional Capture is Contingent on Scene Region: Using Surface Guidance Framework to Explore Attentional Mechanisms during Search. *Psychonomic Bulletin & Review*, 26(4), 1273-1281.
32. Williams, C.C. & Castelhana, M.S. (2019). The Changing Landscape: High-level Influences on Eye Movement Guidance in Scenes. *Vision*, 3(3), 33.
31. Castelhana, M.S., **Fernandes, S.**, & **Therault, J.** (2018). Examining the Hierarchical Nature of Scene Representations in Memory. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 45 (9), 1619-1633.
30. Castelhana, M.S. & **Pereira, E.J.** (2018). The Influence of Scene Context on Parafoveal Processing of Objects. *Quarterly Journal of Experimental Psychology*, 71 (1), 229-240.
29. Liversedge, S.P., Castelhana, M.S., Reichle, E.D., & Ferreira, F. (2018). Special Issue in honour of Keith Rayner (1943-2015). *Quarterly Journal of Experimental Psychology*, 71 (1), 1-2.
28. Enns, J. T., Becker, S. I., Brockmole, J., Castelhana, M., Creem-Regehr, S., Gray, R., & Woodman, G. (2017). Linking contemporary research to the classics: Celebrating 125 years at APA. *Journal of Experimental Psychology: Human Perception and Performance*, 43(10), 1695-1700.
27. Castelhana, M.S. & **Witherspoon, R.L.** (2016). How you use it matters: Object Function Guides Attention during Visual Search in Scenes. *Psychological Science*, 27(5), 606-621.
26. Benson, V., Castelhana, M.S., **Howard, P.**, **Latif, N.** & Rayner, K. (2015). Looking, seeing and

believing in autism: eye movements reveal how subtle cognitive processing differences impact in the social domain. *Autism Research*, 9, 879-887.

25. **Latif, N.**, Barbosa, A. V., Vatikotis-Bateson, E., Castelhana, M. S., & Munhall, K. G. (2014). Movement coordination during conversation. *PLoS ONE*, 9(8), e105036.
24. **Pereira, E.J.** & Castelhana, M.S. (2014) Peripheral guidance in scenes: The interaction of scene context and object content. *Journal of Experimental Psychology: Human Perception and Performance*, 40(5), 2056-2072.
23. **Latif, N.**, Gehmacher, A., Castelhana, M.S. & Munhall, K. (2014). The Art of Gaze. *Journal of Experimental Psychology: Human Perception and Performance*, 40(1), 33-39.
22. **Bassett-Gunter, R. L.**, Martin Ginis, K. A., Latimer-Cheung, A. E., & Castelhana, M.S. (2014). I spy with my little eye: Cognitive processing of framed physical activity messages. *Journal of Health Communication*, 19(6), 676-91.
21. Benson, V., Castelhana, M.S., Au Yeung, S., & Rayner, K. (2012). Eye movements reveal no immediate WOW effect in Asperger's. *Quarterly Journal of Experimental Psychology*, 65, 1139-1150.
20. Castelhana, M.S. & **Heaven, C.** (2011). Scene context influences without scene gist: Eye movements guided by spatial associations in visual search. *Psychonomic Bulletin & Review*, 18, 890-896.
19. Au Yeung, S., Benson, V., Castelhana, M.S., & Rayner, K. (2011). Eye Movement Sequences during Scene Perception in Autism Spectrum Disorder. *Autism Research and Treatment*, vol. 2011, Article ID 657383.
18. Rayner, K., Yang, J., Castelhana, M.S., & Liversedge, S. (2011). Eye Movements of Older and Younger Readers when Reading Disappearing Text. *Psychology and Aging*, 26(1), 214-223.
17. Castelhana, M.S., & Pollatsek, A. (2010). Automatic Extrapolation of Scene Viewpoint. *Memory & Cognition*, 38 (8), 1018-1025.
16. Rayner, K., Castelhana, M.S., & Yang, J. (2010). Preview Benefit during Eye Fixations in Reading for Older and Younger Readers. *Psychology and Aging*, 25(3), 714-718.
15. Castelhana, M.S., & **Heaven, C.** (2010). The Relative Contribution of Scene Context and Target Features to Visual Search in Real-world Scenes. *Attention, Perception & Psychophysics*, 72(5), 1283-1297.
14. Rayner, K., Castelhana, M.S., & Yang, J. (2009). Eye Movements and the Perceptual Span in Older and Younger Readers. *Psychology and Aging*, 24(3), 755-760.
13. Castelhana, M.S., Mack, M., & Henderson, J.M. (2009). Viewing Task Influences Eye Movements during Active Scene Perception. *Journal of Vision*, 9(3):6, 1-15.
<http://journalofvision.org/9/3/6/>
12. Castelhana, M.S., Pollatsek, A., & Rayner, K. (2009). Integration of multiple views of scenes. *Attention, Perception & Psychophysics*, 71, 490-502.

11. Rayner, K., Castelhana, M.S., & Yang, J. (2009). Eye Movements when Looking at Unusual/Weird Scenes: Are there Cultural Differences? *Journal of Experimental Psychology: Learning, Memory & Cognition*, 35, 254-259.
10. Castelhana, M.S., Pollatsek, A., & Cave, K. (2008). Typicality Aids Search for an unspecified target, but only in identification, and not in attentional guidance. *Psychonomic Bulletin & Review*, 15(4), 795-801.
9. Castelhana, M.S., & Henderson, J.M. (2008). The Influence of Color and Structure on Perception of Scene Gist. *Journal of Experimental Psychology: Human Perception and Performance*, 34(3), 660-675.
8. Castelhana, M.S. & Henderson, J.M. (2008). Stable Individual Differences across Images in Human Saccadic Eye Movements. *Canadian Journal of Experimental Psychology*, 62(1), 1-14.
7. Castelhana, M.S., & Henderson, J.M. (2007). Initial Scene Representations Facilitate Eye Movement Guidance in Visual Search. *Journal of Experimental Psychology: Human Perception and Performance*, 33(4), 753-763.
6. Torralba, A., Oliva, A., Castelhana, M.S., & Henderson, J.M. (2006). Contextual guidance of eye movements and attention in real-world scenes: the role of global features in object search. *Psychological Review*, 113, 766-786.
5. Brockmole, J., Castelhana, M.S. & Henderson, J.M. (2006). Contextual Cueing in Naturalistic Scenes: Global and Local Contexts. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 32(4), 699-706.
4. Castelhana, M.S., & Henderson, J.M. (2005). Incidental Visual Memory for Objects in Scenes. *Visual Cognition*, 12, 1017-1040.
3. Oliva, A., Torralba, A., Castelhana, M. S., & Henderson, J. M. (2003). Top down control of visual attention in object detection. *IEEE Proceedings of the International Conference on Image Processing, Vol I*, 253-256.
2. Henderson, J.M., Williams, C., Castelhana, M.S., & Falk, R.J. (2003). Eye movements and picture processing during recognition. *Perception & Psychophysics*, 65, 725-734.
1. Castelhana, M.S., & Muter, P. (2001). Optimizing the reading of electronic text using rapid serial visual presentation. *Behaviour and Information Technology*, 20 (4): 237-247.

Published Abstracts

(Students in Bold)

27. **Krzys, K., Man, L.L.Y.**, Wammes, J., Castelhana, M. S.; (2022). Foreground Bias: Inconsistent Target Effects Reduced When Searching Across Depth. *Journal of Vision*, 22(14):4034. <https://doi.org/10.1167/jov.22.14.4034>.
26. **Krzys, K.**, Francuz, P., & Castelhana, M. (2021). Where do I go from here?: Spatial navigation strategy and disorientation when switching environments. *Journal of Vision*, 21(9), 2804-2804.

25. **Moskowitz, J. B.**, Castelhana, M. S., Gallivan, J. P., & Flanagan, J. R. (2021). Gaze behaviour when visually searching for targets to be reached toward is influenced by movement-related costs imposed by obstacles. *Journal of Vision*, 21(9), 2314-2314.
24. **Tyler Yan, Mubeena Mistry, Karolina Krzyś**, Monica Castelhana (2020). Searching for the Cat: Effects of Variable Spatial Association between Objects and Scenes. *Journal of Vision*, 20(11):1614. doi: <https://doi.org/10.1167/jov.20.11.1614>.
23. Xi Wang, Zoya Bylinskii, Monica Castelhana, James Hillis, and Andrew T. Duchowski. (2020). EMICS'20: Eye Movements as an Interface to Cognitive State. *Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems*. Association for Computing Machinery, New York, NY, USA, 1–4. <https://doi.org/10.1145/3334480.3381062>
22. **Man, L.**, & Castelhana, M.S. (2018). Across the planes: Differing impacts of foreground and background information on visual search in scenes. *Journal of Vision*, 18 (10), 384-384.
21. **O'Donoghue, E.**, & Castelhana, M.S. (2018). Don't Look Now: The influence of distractor features vs. spatial relevance on attentional deployment. *Journal of Vision* 18 (10), 651.
20. Castelhana, M.S., & **Fernandes, S.** (2018). The Foreground Bias: Initial scene representations dominated by foreground information. *Journal of Vision* 18 (10), 1240-1240.
19. Castelhana, M.S. (2017). Where in the world?: Explaining Scene Context Effects during Visual Search through Object-Scene Spatial Associations. *Journal of Vision*, 17 (10), 9-9.
18. Castelhana, M.S., **Shi, Q.**, & **Witherspoon, R.L.** (2016). How you use it matters: Object Function Guides Attention during Visual Search in Scenes. *Journal of Vision*, 16, 337. doi:10.1167/16.12.337
17. **Latif, N.**, Haque, M., Castelhana, M.S., & Munhall, K. G. (2015). How do we make social decisions? Gaze strategies used to predict and optimize social information during conversation. *Journal of Vision*, 15(12):1225. doi: 10.1167/15.12.1225.
16. **Pereira, E.**, **Liu, Y.Q.**, & Castelhana, M.S. (2014). Inhibition of attention to irrelevant areas of a scene: Investigating mechanisms of attention during visual search. *Journal of Vision*, 14(10):371. doi: 10.1167/14.10.371.
15. **Latif, N.**, Munhall, K. G., & Castelhana, M.S. (2013). The contribution of movement correlation in perceptual judgments of affiliation during social interaction. *Journal of Vision*, 13(9):196. doi: 10.1167/13.9.196.
14. **Pereira, E.** & Castelhana, M.S. (2013). The Influence of Scene Context on Parafoveal Processing of Objects. *Journal of Vision*, 13(9):513. doi: 10.1167/13.9.513.
13. **Bawks, J.** & Castelhana, M.S. (2012). Does Context act like a Spatial Attentional Set?: Exploring attentional control during visual search in scenes.. *Journal of Vision*, 12(9):739. doi: 10.1167/12.9.739.
12. **Latif, N.**, Plante, P.M.J., Gehmacher, A., Munhall, K. G., & Castelhana, M.S. (2012). The Death of General Wolfe: Investigating the influence of artistic compositional techniques on eye movement control and interpretation of paintings. *Journal of Vision*, 12(9):408. doi: 10.1167/12.9.408.
11. **Pereira, E.** & Castelhana, M.S. (2012). On-Line Contributions of Peripheral Information to

Visual Search in Scenes: Further Explorations of Object Content and Scene Context. *Journal of Vision*, 12(9):740. doi: 10.1167/12.9.740.

10. **Witherspoon, R.**, Greene, M.R. & Castelhana, M.S. (May, 2012). The Relative Effectiveness of Different vs. Shared Mask Features on the Processing of Scene Gist. *Journal of Vision*, 12(9):1075. doi: 10.1167/12.9.1075.
9. **Pereira, E.** & Castelhana, M.S. (May, 2011). Guidance during Visual Search in Real-World Scenes: Scene Context vs. Object Content. *Journal of Vision*, 11(11): 1320; doi:10.1167/11.11.1320.
8. **Witherspoon, R.**, Wilson, D. E., & Castelhana, M.S. (May, 2011). The Individual and Combined Effects of Spatial Context and Feature Cues in Visual Search. *Journal of Vision*, 11(11): 1308; doi:10.1167/11.11.1308.
7. Castelhana, M. S., & Pollatsek, A., Rayner, K. (2008). Extraction of 3D information in scenes. *International Journal of Psychology*, 43(3-4):37.
6. Castelhana, M. S., Pollatsek, A., & Rayner, K. (2007). Memory for viewpoint changes in naturalistic scenes. *Journal of Vision*, 7(9):192, 192a, <http://journalofvision.org/7/9/192/>, doi:10.1167/7.9.192.
5. Castelhana, M. S., & Henderson, J. M. (2005). The influence of color on perception of scene gist. *Journal of Vision*, 5(8):68, 68a, <http://journalofvision.org/5/8/68/>, doi:10.1167/5.8.68.
4. Torralba, A., Oliva, A., Castelhana, M. S., & Henderson, J. M. (2004). Saliency, objects and scenes: global scene factors in attention and object detection. *Journal of Vision*, 4(8):337, 337a, <http://journalofvision.org/4/8/337/>, doi:10.1167/4.8.337.
3. Castelhana, M. S., & Henderson, J. M. (2003). Flashing scenes and moving windows: an effect of initial scene gist on eye movements. *Journal of Vision*, 3(9):67, 67a, <http://journalofvision.org/3/9/67/>, doi:10.1167/3.9.67.
2. Oliva, A., Torralba, A., Castelhana, M. S., & Henderson, J. M. (2003). Top-down control of visual attention in real world scenes. *Journal of Vision*, 3(9):3, 3a, <http://journalofvision.org/3/9/3/>, doi:10.1167/3.9.3.
1. Wieth, M., Castelhana, M. S., & Henderson, J. M. (2003). I See What You See: Gaze Perception during Scene Viewing [Abstract]. *Journal of Vision*, 3(9):307, 307a, <http://journalofvision.org/3/9/307/>, doi:10.1167/3.9.307.

Non-Peered Reviewed Publications and Book Chapters

11. Krzys, K., Francuz, P., & Castelhana, M. S. (2023). Where do I go from here?: Spatial navigation strategy and disorientation when switching environments. PsyArXiv. <https://doi.org/10.31234/osf.io/c8jp2>
10. Moskowitz, J. B., Berger, S. A., Castelhana, M. S., Gallivan, J. P., & Flanagan, J. R. (2022). The influence of movement-related costs when searching to act and acting to search. *bioRxiv*.
9. Krzys, K., & Castelhana, M. (2022). Searching for the Cat: Effects of variable spatial associations on search in scenes. *PsyArXiv*. <https://doi.org/10.31234/osf.io/83u7c>
8. Man, L. L.-Y., Krzys, K., & Castelhana, M. (2019). The Foreground Bias: Differing impacts

across depth on visual search in scenes. *PsyArXiv*. <https://doi.org/10.31234/osf.io/w6j4a>

7. Fernandes, S., & Castelhana, M. (2019). The Foreground Bias: Initial Scene Representations across the Depth Plane. *PsyArXiv*. <https://doi.org/10.31234/osf.io/s32wz>
6. Castelhana, M.S., & Rayner, K. (2008). Eye movements during reading, visual search, scene perception: an overview. In K. Rayner, D. Shem, X. Bai, & G. Yan (Eds.), *Cognitive and Cultural Influences on Eye Movements*. Tianjin People's Press/Psychology Press.
5. Castelhana, M.S., Wieth, M., & Henderson, J.M. (2007). I See What You See: Eye Movements in Real-World Scenes are affected by Perceived Direction of Gaze. In L. Paletta and E. Rome, (Eds.), *Attention in Cognitive Systems*. (pp. 251-262). Springer LNAI.
4. Rayner, K. & Castelhana, M.S. (2007) Eye movements. *Scholarpedia*, 2(10):3649 (http://www.scholarpedia.org/article/Eye_Movements)
3. Rayner, K., & Castelhana, M.S. (2007). Eye movements during reading, scene perception, visual search, and while looking at print advertisements. In M. Wedel & R. Pieters (Eds.), *Visual Marketing: From attention to action*. (pp. 9-42). Lawrence Erlbaum: New Jersey, USA.
2. Henderson, J. M., Brockmole, J. R., Castelhana, M. S., & Mack, M. (2007). Image salience versus cognitive control of eye movements in real-world scenes: Evidence from visual search. In R. van Gompel, M. Fischer, W. Murray, & R. Hill (Eds.), *Eye movement research: Insights into mind and brain*. (pp. 537-562). Oxford: Elsevier.
1. Henderson, J.M, & Castelhana, M.S. (2005). Eye Movements and Visual Memory for Scenes. In G. Underwood (Ed.), *Cognitive Processes in Eye Guidance* (pp. 213-235). Oxford University Press.

Invited Talks

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| 2023 | Invited Keynote Speaker , "The Eyes are a Window to the Mind: Influences on Attention in the Lab and in Real-World Applications", The Canadian Society for Psychomotor Learning and Sport Psychology (SCAPPS), Kingston, Canada |
| 2023 | Invited Speaker , "Deriving Cognitive Strategies from Eye Movements and Machine Learning", Psychology Department Weekly Meeting, University of Illinois, IL, USA. |
| 2023 | Invited Speaker , "Deriving Cognitive Strategies from Eye Movements and Machine Learning", BIU Vision Science online seminar, Bar Ilan University, Ramat Gan, Israel. |
| 2022 | Invited Speaker , "Attention Depends on Context: What the eyes can and can't tell us about processing", Experimental Psychology Group Meeting, Birkbeck University, London, UK. |
| 2022 | Invited Speaker , "Attention Depends on Context: What the eyes can and can't tell us about processing", University of Central Lancashire, Preston, UK. |
| 2022 | Invited Speaker , "Attention Depends on Context: What the eyes can |

- and can't tell us about processing", Northumbria University, Newcastle, UK.
- 2022 **Invited Speaker**, "Attention Depends on Context: What the eyes can and can't tell us about processing", Experimental Psychology Group Meeting, University of Leicester, Leicester UK.
- 2022 **Invited Speaker**, "Analysis of Eye movement in Dynamic Scenes", Workshop on Eye Movement Data Collection and Analysis, University of Central Lancashire, Preston, UK.
- 2022 **Invited Speaker**, "Attention Depends on Context: What the eyes can and can't tell us about processing", Experimental Psychology Group Meeting, University of Leicester, Leicester UK.
- 2022 **Invited Speaker**, "Attention Depends on Context: What the eyes can and can't tell us about processing", School of Psychology Weekly Seminar, University of Aberdeen, Aberdeen, Scotland.
- 2022 **Invited Speaker**, "Attention Depends on Context: What the eyes can and can't tell us about processing" BVI Seminar Series, University of Bristol, Bristol, UK.
- 2022 **Invited Speaker**, "Attention Depends on Context: What the eyes can and can't tell us about processing", Vision and Language Group, Oxford University, Oxford, UK.
- 2022 **Invited Speaker**, "Attention Depends on Context: What the eyes can and can't tell us about processing", University of York, UK.
- 2022 **Invited Keynote Speaker**, European Conference on Eye Movements, University of Leicester, Leicester, UK
- 2021 **Invited Speaker**, "Attention Depends on Context: What the eyes can and can't tell us about processing", CNS Colloquium Series, New York University. (via Zoom)
- 2021 **Invited Speaker**, "Setting realistic expectations: What the eyes can and can't tell us about attention", Understanding Vision Series, University of Essex. (via Zoom)
- 2021 **Invited Speaker**, Edge of Knowledge Series, "The Eyes are a Window to the Mind: Influences on Attention in the Lab and in Real-World Applications", Immersion Technologies Ltd., Montreal, Canada. (via Zoom)
- 2021 **Invited Speaker**, "Exploring Real-World Scenes: Semantics and Functions of Everyday Spaces", Center for Spatial Studies at UCSB, Santa Barbara, California, USA. (via Zoom)
- 2021 **Invited Speaker**, "SMART everyday life: attention /perception/action", Healthy Brains and Healthy Lives Workshop Series, McGill University, Montreal, Canada. (via Zoom)
- 2021 **Invited Speaker**, Scene Grammar Lab, "Rethinking Space: Impacts of Spatial Processing on Real-world Scene Processing", Goethe Universitat, Frankfurt, Germany (via Zoom)
- 2020 **Invited Speaker**, Brain-to-Society Decision and Behavior Seminar, "A Window on the Mind: Investigating Cognitive Processing through Eye Movements", McGill Centre for the Convergence of Health and Economics, Montreal, Canada. (via Zoom)
- 2019 **Invited Speaker**, Wolfe Attention Lab, "Space, the final frontier: Rethinking real-

- world scene processing”, Harvard University, Cambridge, MA, USA
- 2018 **Invited Keynote Speaker**, Scandinavian Workshop On Applied Eye Tracking : “Exploring scene context and its effect on eye movement guidance”, Copenhagen, Denmark
- 2018 **Invited Speaker**, Visual Search and Selective Attention (VSSA IV) Symposium: “The Surface Guidance Framework: How Scene Surface can inform Search Strategies”, Ammersee, Munich, Germany
- 2018 **Invited Keynote Speaker**, 7th Annual China International Conference on Eye Movements, Nanjing, China
- 2018 **Invited Speaker**, “The Scene-Object Link: Investigating how scene context does and does not influence processing”. Ebbinghaus Empire Series 2017-2018, University of Toronto, Canada
- 2017 **Invited Speaker**, Gordon Research Conference: “Unpacking Scene Context Effects: Using the Surface Guidance Framework to Explore Attentional Mechanisms, Lewiston, ME, USA
- 2017 **Invited Speaker**, Matariki Spring School, Tübingen University, Tübingen, Germany
- 2017 **Invited Speaker**, Symposium: “A scene is more than the sum of its objects: The mechanisms of object-object and object-scene integration, St. Petersburg, FL, USA
- 2016 **Invited Keynote Speaker**, 6th Annual China International Conference on Eye Movements, Changchun, China
- 2016 **Invited Instructor**, Academic Writing Workshop, Institute of Psychology, Chinese Academy of Sciences, Beijing, China
- 2016 **Invited Speaker**, Institute of Psychology, Chinese Academy of Sciences, Beijing, China
- 2016 **Invited Speaker**, Department of Psychology, University of Toronto, Mississauga
- 2014 **Invited Speaker**, Centre for Visual Cognition, University of Southampton, UK
- 2010 **Invited Symposium Organizer**, Association for Psychological Science, Boston
- 2010 **Invited Speaker**, Canadian Network for Action and Perception Meeting, Kingston
- 2010 **Invited Speaker**, Ebbinghaus Empire Meeting, University of Toronto, Toronto

Conference Presentations (Trainees in Bold)

77. **Lum Smith, H., Krzys, K., Li, L.S., Williams, C.C., & Castelhana, M.S.** (2024). Investigating the Impact of Spatial Certainty and Target Features on Visual Search. Poster presented at the Lake Ontario Visionary Establishment (LOVE) Annual Meeting, Niagara Falls, Canada.

76. **Lum Smith, H., Krzyś, K., Li, L.S., Williams, C.C., & Castelhana, M.S. (2023).** Investigating the Impact of Spatial Certainty and Target Features on Visual Search. Poster presented at the Psychonomic Society Annual Meeting, San Francisco, USA.
75. **Krzyś, K., Yan, T., & Castelhana, M.S. (2023).** Jumping the Hoops: Depth Limitation to the Benefit of Object-based Attention in Virtual Reality. Poster presented at the Psychonomic Society Annual Meeting, San Francisco, USA.
74. Benson, V., Castelhana, M.S., Liversedge, S.P., & Milledge, S. (2023). How Do Adults with Autism Interpret Dynamic Social Scenes? An Eye Movement Study. Poster presented at the Psychonomic Society Annual Meeting, San Francisco, USA.
73. Castelhana, M.S. (2023). Scene Context Dynamically Influences Attention. Paper presented at the Psychonomic Society Annual Meeting, San Francisco, USA.
72. **Krzyś, K., Mistry, M., Yan, T.Q. & Castelhana, M.S. (2023).** Predicting the Allocation of Attention: Using contextual guidance of eye movements to examine the distribution of attention. In Proceedings of the 2023 Symposium on Eye Tracking Research and Applications (ETRA '23). Association for Computing Machinery, New York, NY, USA
71. Castelhana, M.S. (2023). Deriving Cognitive Strategies from Fixations during Visual Search in Scenes. In Proceedings of the 2023 Symposium on Eye Tracking Research and Applications (ETRA '23). Association for Computing Machinery, New York, NY, USA
70. **Li, L.S., Lum Smith, H., Krzyś, K., Williams, C.C., & Castelhana, M.S.(2023).** Expectations Versus Reality: The Effect of Semantic Knowledge on Statistical Learning. Paper presented at 23rd Annual Meeting of the Vision Sciences Society, St. Petersburg, Florida.
69. **Krzyś, K., & Castelhana, M.S. (2023).** Predictive effects of spatial updating. Poster presented at 23rd Annual Meeting of the Vision Sciences Society, St. Petersburg, Florida.
68. **Krzyś, K & Castelhana, M.S. (2023).** Predicting the Allocation of Attention: Using contextual guidance of eye movements to examine the distribution of attention. Poster presented at the Lake Ontario Visionary Establishment (LOVE) Annual Meeting, Niagara Falls, Canada.
67. **Li, L.S., Lum Smith, H., Krzyś, K., Williams, C.C., & Castelhana, M.S. (2023).** Expectations Versus Reality: The Effect of Semantic Knowledge on Statistical Learning. Poster presented at the Lake Ontario Visionary Establishment (LOVE) Annual Meeting, Niagara Falls, Canada.
66. **Krzyś, K. & Castelhana, M.S. (2022).** Scene Context Effects Across Depth. Paper presented at the Psychonomic Society Annual Meeting, Boston, USA.
65. Benson, V. & Castelhana, M.S. (2022). Complex Visual Processing in High-Functioning Autistic Adults. Paper presented at the Northwest Visual Cognition Group Seminar, University of Central Lancashire, Preston, UK.
64. Castelhana, M.S. & **Krzyś, K. (2022).** Scene Context Affects Performance in Dual-Target Search. Paper presented at the European Conference on Eye Movements, University of Leicester, Leicester, UK.

63. Castelhana, M.S. (2022). Scene Perception through Time and Space. Paper presented in Symposium in Memory of Alexandre Pollatsek at the European Conference on Eye Movements, University of Leicester, Leicester, UK.
62. Castelhana, M.S. (2022). Scene Context Effects Across Depth. Paper presented at the Experimental Psychology Society Meeting, University of Stirling, Stirling, UK.
61. **Krzyś, K., Man, L.L.-Y.,** Wammes, J.D. & Castelhana, M.S. (June, 2022). Foreground Bias: Semantic inconsistency effects reduced when searching across depth. Paper presented at the Virtual-Vision Sciences Society Meeting.
60. **Krzyś, K.,** Francuz, P., & Castelhana, M. (May, 2021). Where do I go from here?: Spatial navigation strategy and disorientation when switching environments. Poster presented at the Virtual-Vision Sciences Society Meeting.
59. **Moskowitz, J. B.,** Castelhana, M. S., Gallivan, J. P., & Flanagan, J. R. (May, 2021). Gaze behaviour when visually searching for targets to be reached toward is influenced by movement-related costs imposed by obstacles. Poster presented at the Virtual-Vision Sciences Society Meeting.
58. **Yan, T.Q., Mistry, M., Krzyś, K. &** Castelhana, M.S. (May, 2020). Searching for the Cat: Effects of Variable Spatial Association between Objects and Scenes. Poster presented at the Virtual-Vision Sciences Society Meeting.
57. Castelhana, M.S. (August, 2019). Across the Scene Depth Plane: Differing impacts of foreground and background information. Paper presented at European Conference on Eye Movements, Alicante, Spain.
56. **Man, L.L.-Y., &** Castelhana, M.S. (May, 2018). Near, Far, Wherever You Are: Differing impacts of foreground and background information on visual search in scenes. Paper presented at 29th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Waterloo, Canada.
55. **Krzyś, K., &** Castelhana, M.S. (November, 2018). Scene-context Interference during Multiple Object Search. Paper presented at the Annual Workshop on Object Perception, Attention, and Memory, New Orleans.
54. **Tachibana, R., &** Castelhana, M.S. (November, 2018). Investigating the benefit of scene context on the parafoveal processing of object. Poster presented at the Annual Workshop on Object Perception, Attention, and Memory, New Orleans.
53. **Man, L.L.-Y., &** Castelhana, M.S. (May, 2018). Across the planes: Differing impacts of foreground and background information on visual search in scenes. Poster presented at 18th Annual Meeting of the Vision Sciences Society, St. Petersburg, Florida.
52. **O'Donoghue, E., &** Castelhana, M.S. (May, 2018). Don't Look Now: The influence of distractor features vs. spatial relevance on attentional deployment. Poster presented at 18th Annual Meeting of the Vision Sciences Society, St. Petersburg, Florida.

51. Castelhana, M.S., & **Fernandes, S.** (May, 2018). The Foreground Bias: Initial scene representations dominated by foreground information. Paper presented at 18th Annual Meeting of the Vision Sciences Society, St. Petersburg, Florida.
50. Castelhana, M.S. (January, 2018). Scratching the Surface: How Scene Surface and Structure can inform Search Strategies. Paper presented at Meeting of the Experimental Psychology Society, London, UK.
49. **O'Donoghue, E.** & Castelhana, M.S. (November, 2017). Attentional deployment in scenes depends on context, not target similarity. Poster presented at the Psychonomic Society Annual Meeting, Vancouver.
48. **O'Donoghue, E.** & Castelhana, M.S. (November, 2017). Learning by using: an ecological framework for determining knowledge of scene-object spatial likelihood. Paper presented at the Annual Workshop on Object Perception, Attention, and Memory, Vancouver.
47. Castelhana, M.S. (2017). Where in the world?: Explaining Scene Context Effects during Visual Search through Object-Scene Spatial Associations. Paper presented at 17th Annual Meeting of the Vision Sciences Society, St. Petersburg, Florida.
46. Castelhana, M.S., & **Witherspoon, R.L.** (January, 2017). How you use it matters: Object Placement in Scenes governed by Function. Paper presented at Meeting of the Experimental Psychology Society, London, UK.
45. **Fernandes, S.** & Castelhana, M.S. (November, 2016). Not all objects are created equal: Object Frequency Effects depend on Diagnosticity of an Object for a Scene Category. Paper presented at the Psychonomic Society Annual Meeting, Boston.
44. **Fernandes, S.** & Castelhana, M.S. (November, 2016). Getting the Gist: The Focus of Attention within the First Glance at a Scene. Paper presented at the Annual Workshop on Object Perception, Attention, and Memory, Boston.
43. **O'Donoghue, E.** & Castelhana, M.S. (November, 2016). Turning your world around: Effects of cognitive control vs. movement bias on eye movement guidance. Poster presented at the Annual Workshop on Object Perception, Attention, and Memory, Boston.
42. Castelhana, M.S., **Shi, Q.**, & **Witherspoon, R.L.** (May, 2016). How you use it matters: Object Function Guides Attention during Visual Search in Scenes. Poster presented at 16th Annual Meeting of the Vision Sciences Society, St. Petersburg, Florida
41. Castelhana, M.S (November, 2015). Hierarchical Structure of Scene Representations: The role of background and foreground information. Paper presented at Psychonomic Society Annual Meeting, Chicago.
40. **Latif, N.**, Haque, M., Castelhana, M., & Munhall, K. (May, 2015). How do we make social decisions? Gaze strategies used to predict and optimize social information during conversation. Poster presented at the 15th Annual Meeting of the Vision Sciences Society, St. Petersburg, Florida

39. **Tian, L., Pereira, E. J., & Castelhana, M.S.** (February, 2015). Is a picture worth a thousand objects?: How set size and scene context affect visual search efficiency. Poster presented at Lake Ontario Visionary Establishment, Niagara Falls, Canada.
38. **Tian, L., Pereira, E. J., & Castelhana, M.S.** (November, 2014). Is a picture worth a thousand objects?: How set size and scene context affect visual search efficiency. Poster presented at Object Perception, Attention, and Memory Workshop, Long Beach, California.
37. **Pereira, E., Liu, Y.Q., & Castelhana, M.S.** (July, 2014). Scene context inhibits attention to irrelevant areas: investigating mechanisms of attention during visual search in scenes. Poster to be presented at Canadian Society for Brain, Behaviour and Cognitive Science Annual Meeting, Toronto, Ontario, Canada.
36. **Pereira, E., Liu, Y.Q., & Castelhana, M.S.** (May, 2014). Scene context inhibits attention to irrelevant areas: investigating mechanisms of attention during visual search in scenes. Poster presented at the 14th Annual Meeting of the Vision Sciences Society, St. Petersburg, Florida.
35. **Castelhana, M.S. & Witherspoon, R.L.** (November, 2013). Does the Way You Interact with an Object Affect How You Search for It?: Investigating the Role of Target Function on Search Strategies. Paper presented at Psychonomic Society Annual Meeting, Toronto.
34. **Castelhana, M.S. & Witherspoon, R.L.** (August, 2013). Active Vision: The Influence of Target Function on Visual Search Strategies. Paper presented at European Conference on Eye Movements, Lund, Sweden.
33. **Pereira, E. & Castelhana, M.S.** (May, 2013). Eye movements: Cognition, models The Influence of Scene Context on Parafoveal Processing of Objects. Poster presented at the 13th Annual Meeting of the Vision Sciences Society, Naples, Florida.
32. **Latif, N., Munhall, K. & Castelhana, M.S.** (May, 2013). The contribution of movement correlation in perceptual judgments of affiliation during social interaction. Poster presented at the 13th Annual Meeting of the Vision Sciences Society, Naples, Florida.
31. **Bawks, J. & Castelhana, M.S.** (May, 2012). Does Context acts like a Spatial Attentional Set?: Exploring attentional control during visual search in scenes. Poster presented at the 12th Annual Meeting of the Vision Sciences Society, Naples, Florida.
30. **Latif, N., Plante, P.M.J., Gehmacher, A., Munhall, K. G., & Castelhana, M.S.** (May, 2012). The Death of General Wolfe: Investigating the influence of artistic compositional techniques on eye movement control and interpretation of paintings. Poster presented at the 12th Annual Meeting of the Vision Sciences Society, Naples, Florida.
29. **Pereira, E. & Castelhana, M.S.** (May, 2012). On-Line Contributions of Peripheral Information to Visual Search in Scenes: Further Explorations of Object Content and Scene Context. Poster presented at the 12th Annual Meeting of the Vision Sciences Society, Naples, Florida.
28. **Witherspoon, R., Greene, M.R., & Castelhana, M.S.** (May, 2012). The Relative Effectiveness of Different vs. Shared Mask Features on the Processing of Scene Gist. Poster presented at

the 12th Annual Meeting of the Vision Sciences Society, Naples, Florida.

27. Castelhana, M.S. (November, 2011). The Focus of Attention within the First Glance at a Scene. Paper presented at Psychonomic Society Annual Meeting, Seattle. (Accepted paper, retracted while on bereavement leave.)
26. **Pereira, E.** & Castelhana, M.S. (May, 2011). Guidance during Visual Search in Real-World Scenes: Scene Context vs. Object Content. Poster presented at the 11th Annual Meeting of the Vision Sciences Society, Naples, Florida.
25. **Witherspoon, R.**, Wilson, D. E., & Castelhana, M.S. (May, 2011). The Individual and Combined Effects of Spatial Context and Feature Cues in Visual Search. Poster presented at the 11th Annual Meeting of the Vision Sciences Society, Naples, Florida.
24. Castelhana, M.S. (May, 2010). Looking at the Big Picture: Visual Processing of Real-World Scenes. Paper presented at the Association for Psychological Science Convention, Boston.
23. Castelhana, M.S. (November, 2009). Contextual influences on parafoveal preview of objects in scenes. Paper presented at Psychonomic Society Annual Meeting, Boston.
22. Castelhana, M.S. & **Heaven, C.** (August, 2009). The Relative Contribution of Scene Context and Target Features to Visual Search in Real-world Scenes. Paper presented at the European Conference on Eye Movements, Southampton, UK.
21. Castelhana, M.S. & Pollatsek, A. (November, 2008). Scene Layout is Automatically Extracted and Extrapolated, But Not by Much. Poster presented at Psychonomic Society Annual Meeting, Chicago.
20. Castelhana, M.S. Pollatsek, A., & Cave, K. (November, 2007). When you're not sure what you're looking for: Visual Search for an under-specified target. Poster presented at Psychonomic Society Annual Meeting, Long Beach.
19. Castelhana, M.S. Pollatsek, A., & Cave, K. (August, 2007). Searching for something unknown. Poster presented at the European Conference on Eye Movements, Potsdam, Germany.
18. Castelhana, M.S., Pollatsek, A., & Rayner, K. (May, 2007). Memory for viewpoint changes in naturalistic scenes. Poster presented at Vision Sciences Society Annual Meeting, Sarasota.
17. Castelhana, M.S., & Henderson, J.M. (February, 2007). The Influence of Colour on the Activation of Scene Gist. Poster presented at Scene Understanding Symposium (SUnS), MIT, Boston.
16. Castelhana, M.S., Pollatsek, A., & Rayner, K. (November, 2006). Viewpoint changes in naturalistic scenes produce automatic interpolation. Poster presented at Psychonomic Society Annual Meeting, Houston.
15. Castelhana, M.S., & Henderson, J.M. (September, 2006). The Influence of Color on the Perception of Scene Gist. Poster presented at Visual Neuroscience European Summer School, Rauscholzhausen, Germany.
14. Brockmole, J.R., Castelhana, M.S., & Henderson, J.M. (April, 2006). The roles of local

objects and scene identity in contextual cueing in scenes. Paper presented at the Experimental Psychology Society Birmingham Meeting, Birmingham, UK.

13. Castelhana, M.S., & Henderson, J.M. (May, 2005). The Influence of Color on the Perception of Scene Gist. Poster presented at Vision Sciences Society Annual Meeting, Sarasota.
12. Castelhana, M.S., & Henderson, J.M. (November, 2004). The Influence of Color on Perception of Scene Gist. Paper presented at the Annual Workshop on Object Perception, Attention, and Memory, Minneapolis.
11. Castelhana, M.S., Mack, M.L., & Henderson, J.M. (November, 2004). Task Influences on Eye Movement Control in Scenes. Poster presented at Psychonomic Society Annual Meeting, Minneapolis.
10. Brockmole, J.R., Mack, M.L., Castelhana, M.S., Oliva, A., & Henderson, J.M. (November, 2004). Stimulus-Driven Influences on Fixation Duration during Real-World Scene Viewing. Poster presented at Psychonomic Society Annual Meeting, Minneapolis.
9. Henderson, J. M., Castelhana, M. S., & Wieth, M. (May, 2004). Eye movement control during active scene viewing. Paper presented at the 6th European Workshop on Language Comprehension, Oleron, France.
8. Torralba, A., Oliva, A., Castelhana, M, and Henderson J.M. (May, 2004). Saliency, objects and scenes: global scene factors in attention and object detection. Poster presented at Vision Sciences Society Annual Meeting, Sarasota.
7. Mack, M.L., Castelhana, M.S., Henderson, J.M., & Oliva, A. (November, 2003). What the Visual System "Sees": The relationship between fixation positions and image properties during a search task in real-world scenes. Poster presented at the Annual Workshop on Object Perception, Attention, and Memory, Vancouver.
6. Castelhana, M.S. & Henderson, J.M. (May, 2003). Flashing Scenes and Moving Windows: An effect of Initial Scene Gist on Eye Movements. Paper presented at Vision Sciences Society Meeting, Sarasota.
5. Wieth, M.B., Castelhana, M.S. & Henderson, J.M. (May, 2003). I See What You See: Gaze Perception during Scene Viewing. Poster presented at Vision Sciences Society Meeting, Sarasota.
4. Oliva, A., Torralba, A., Castelhana, M.S. & Henderson, J.M. (May, 2003). Top-down control of visual attention in real world scenes. Paper presented at Vision Sciences Society Meeting, Sarasota.
3. Castelhana, M.S. & Henderson, J.M. (November, 2002). Early Extraction of Scene Gist Facilitates Eye Movement Guidance During Visual Search. Poster presented at Psychonomic Society Annual Meeting, Kansas City.
2. Castelhana, M.S. & Henderson, J.M. (November, 2001). Eye Movements, viewing task and scene memory. Paper presented at Psychonomic Society Annual Meeting, Orlando.
1. Castelhana, M.S., Falk, R.J., & Henderson, J.M. (May, 2001). Idiosyncratic characteristics of

eye movements. Paper presented at Midwestern Psychology Association Conference, Chicago.

Teaching

2023-2024

PSYC221 – Cognitive Psychology

PSYC423 – Visual Cognition in the Real-World

PSYC961—Interactions with World: Eye Movement Analyses

2022-2023

(Sabbatical Fall 2022)

PSYC221 – Cognitive Psychology

PSYC423 – Visual Cognition in the Real-World

2021-2022

(Sabbatical Winter 2022)

PSYC423 – Visual Cognition in the Real-World

2020-2021

PSYC221 – Cognitive Psychology

PSYC423 – Visual Cognition in the Real-World

2019-2020

PSYC221 – Cognitive Psychology

PSYC423 – Visual Cognition in the Real-World

PSYC833 – Cognitive Processing and Eye Movements

2018-2019

PSYC501 – Honours Thesis Coordinator

PSYC221 – Cognitive Psychology

PSYC423 – Visual Cognition in the Real-World

2017-2018

PSYC501 – Honours Thesis Coordinator

PSYC221 – Cognitive Psychology

PSYC423 – Visual Cognition in the Real-World

2016-2017

PSYC501 – Honours Thesis Coordinator

PSYC221 – Cognitive Psychology

PSYC423 – Visual Cognition in the Real-World

HQP Supervision

Postdoctoral Fellow

Name

Ryo Tachibana

Dates

09/2016-06/2018`

Current Position

Assistant Professor, University of Tohoku, Japan

Graduate Students

Name

Nida Latif

(co-supervisor: Kevin Munhall)

Dates

09/2010- 08/2012

Degree

M.Sc.

Current Position

Research Scientist, McGill

Richelle Witherspoon

06/2010-08/2012

M.Sc.

Librarian, University of New Brunswick

Effie Pereira

06/2012-05/2014

M.Sc.

Assistant Professor, Queen's

Suzette Fernandes

09/2015-09/2019

M.Sc.

Research Assistant, York

Ellen O'Donoghue

09/2016-08/2018

M.Sc.

Research Fellow, Cardiff

Louisa Man	09/2016-10/2023	Ph.D.	Psychologist, CAMH, Toronto
Wen Wai (Kev) Zhou	09/2018-08/2020	M.Sc.	PhD Candidate, York
Karolina Krzyś	09/2018-present	Ph.D.	
Alison Dodwell	09/2019-08/2021	M.Sc.	Occupational Therapist, Toronto
Laura Sikun Li	09/2021-present	Ph.D.	
Hannah Lum Smith	09/2022-present	M.Sc.	

Visiting Graduate Students

Luise Prüßner	07/2015-10/2015	Heidelberg University Germany
Ryo Tachibana	10/2016-01/2017	Tohoku University, Japan
Zhe Huang	09/2016-12/2016	University of Munich, Germany
Phillipa Howard	06/2016-08/2016	University of Southampton, UK

Undergraduate Students

<u>Name</u>	<u>Dates</u>	
Jennifer Brunet	Sep-11	Mar-12
Lesley Campbell	Mar-12	Apr-13
Kyle Kogger	May-12	Jul-12
Mashal Haque	May-13	May-14
Taylor Katzel	Sep-13	May-14
Jacky Cheung	Sep-13	May-14
Heather Brooks	Sep-13	May-15
Keziah Uychocde	Sep-13	May-15
Aleksandra Usyatynsky	Sep-13	May-16
Alex Bennet	Nov-13	May-15
Bertie Zhang	Jan-14	May-14
Tyler Carr-Braint	Jan-14	May-14
Qian Shi	Jan-14	May-16
Leanne Kack	May-14	May-15
Muhammad Usman		
Majeed	Nov-14	Mar-15
Ellen O'Donoghue	May-15	Jun-16
Natalie Doan	Sep-15	Oct-16
Shane Kennedy	Sep-15	Apr-17
Carley Pratt	Oct-15	May-17
Kyla Mayne	May-16	Apr-18
Mike Kennelly	May-16	May-18
Elysee Kukwabantu	May-16	May-17
Morgan Vallati	May-17	Mar-18
Mollie Roy	May-17	Mar-18
Jane Mao	Sep-17	May-18
Larissa Miller	Sep-17	May-18
Mairead Mayer	Sep-17	May-18
Micaela Bujold	Oct-17	May-18

Malaika Ngugama	Oct-17	May-19
Kiyomi Murray	Feb-18	May-20
Megan Rowe	Feb-18	May-19
Landon Hickman	Feb-18	Apr-19
Alex Wojaczek	May-18	Jun-19
Mubeena Mistry	May-18	May-20
Haley Kenna	May-18	May-19
Joseph Landy	Aug-18	Apr-19
Anthony Cecutti	Oct-18	Apr-19
Tyler Yan	Oct-18	May-20
Jiani Wang	Oct-18	Apr-19
Jasmine Lam	Oct-18	Apr-19
Gabby Eid	Jan-19	May-19
Sarah Mohamed	Jan-19	May-19
Nalsen Yang	May-19	May-22
Rachel Rumas	May-19	May-20
Brie Olexa	Jan-20	May-21
Henrique Gabriel Ho Cesar	Jan-20	May-20
Zhiyuan Tong	Feb-20	Apr-20
Dora Wang	May-20	May-21
Eilene Tomkins-Flanagan	May-20	Aug-20
Quincy Hanna	Sep-20	May-22
Carmel Avitzur	Sep-20	May-21
Hannah Lum Smith	Nov-20	May-22
Erica Jonhston	Jan-21	Apr-21
Grace Edmonds	May-21	May-22
Emma Collette	May-21	May-22
Ashley Condari	Oct-21	May-22
Jacob DeJong	Oct-21	May-22
Mia Shulman	Oct-21	May-22
Serena Emond	Oct-21	May-22
David Syer	Oct-21	May-22
Amelia Luff	Oct-21	May-22
Sarah Robinchaud	Oct-21	May-22
Megan Drohan	Oct-21	May-22
Clara Civiero	Oct-21	present
India Johnson	Oct-21	May-22
Kaamraan Islam	Oct-21	May-22
Yanxin Xu	Oct-21	present
Adrianna Armstrong	Oct-21	present
Zaina Abu War	Oct-22	Feb-23
Mikayla Reymer	Oct-22	Feb-23

Angelica Saragosa	Oct-22	present
Emily Boland	Oct-22	present
Emily Robbie	Oct-22	Feb-23
Mridula Srikanth	Oct-22	present
Joshua Goncalves	May-22	present
Zunayed Mahmud	May-22	Dec-23
Anya den Hartog	May-22	present
Allison Stewart-Gomes	Jan-23	present
Elizabeth Pelletier	Jan-23	present
Emma Gray	Jan-23	present
Irelande Farrell	Jan-23	May-23
Kaleigh Clarke	Jan-23	present
Maya Ialleggio	Jan-23	present
Michael Silberberg	Jan-23	May-23
Natasha Manuel	Jan-23	May-23
Zoe DeMille	Jan-23	May-23
Clare Ledgett	Oct-23	May-26
Alexis Friedman	Oct-23	May-25
Renee Mackenzie	Oct-23	May-25
Lauren Shaffer	Oct-23	May-25
Julia Wang	Oct-23	May-25
Elizabeth Arminen	Oct-23	May-26
Ali Haider	Oct-23	May-26
Imogen Tear	Oct-23	May-26
Caroline Devenny	Oct-23	May-25
Maria Soleil Kielec	Oct-23	May-26
Sarah Millross	Sep-23	May-24

Professional Services

Associate Editor

Cognitive Science, 2020-present
 Cognitive Research: Principles and Implications, 2022 – 2023 (withdrew early due to being elected to the Governing Board)
 Quarterly Journal of Experimental Psychology, 2017-2020
 Journal of Experimental Psychology: Human Perception and Performance, 2015-2019

Guest Editor

Quarterly Journal of Experimental Psychology, Special Issue, 2016
 Journal of Experimental Psychology: Human Perception and Performance, 2014

Editorial Boards

Frontiers in Psychology: Perception Science, 2010-present

Journal of Experimental Psychology: Human Perception and Performance 2019-2023
 Cognitive Research: Principles and Implications, 2017-2021; 2023-present
 Visual Cognition, 2009-2016
 Attention, Perception & Psychophysics, 2011-2014

Ad Hoc Reviewer

Journal Articles:

Acta Psychologica;	Frontiers in Psychology:	NeuroImage;
Attention, Perception &	Perception Science;	Perception;
Psychophysics;	Human Brain Mapping; Journal	Philosophical Transactions of the
Behavior Research Methods;	of Experimental Psychology:	Royal Society;
Brain Topography;	General;	PLoS ONE;
British Journal of Psychology;	Journal of Experimental	Proceedings of the National
Canadian Journal of	Psychology: Applied;	Academy of Sciences;
Experimental Psychology;	Journal of Experimental	Psychological Review;
Cognition;	Psychology: Human Perception	Psychological Science;
Cognition & Emotion;	and Performance;	Psychonomic Bulletin & Review;
Cognitive Processing;	Journal of Experimental	Quarterly Journal of
Cognitive Psychology;	Psychology: Learning, Memory	Experimental Psychology;
Cognitive Science;	and Cognition; Journal of	Spatial Cognition and
eLife;	Cognitive Neuroscience;	Computation;
European Journal of Cognitive	Journal of Vision;	Spatial Vision;
Psychology;	Memory & Cognition;	Trends in Cognitive Science;
Experimental Brain Research;	Music Perception;	Visual Cognition;
Experimental Psychology;	Neuroscience;	Vision Research

Commented [MC1]: update

Grant Proposals:

National Science Foundation; Switzerland National Science Foundation;
 Natural Science and Engineering Council of Canada

Other Services

- 2024 Workshop Organizer, PRAID, Queen’s University
- 2023-2028 Governing Board Member (Elected), Psychonomic Society
- 2023-2025 Chair of Equity, Diversity, & Inclusion Committee, Department of Psychology, Queen’s University
- 2023 Discussion Panel Organizer, Industry Careers, Psychonomic Society, San Francisco, CA, USA
- 2019-2021 Chair of Cognitive Neuroscience Research Group, Department of Psychology, Queen’s University
- 2013-2016 Organizing Committee, LOVE Conference, Niagara Falls, Canada
- 2010-2013 Member of Senate Academic Research Committee, Subcommittee IV, Queen’s University

- 2009 Program Committee, European Conference on Eye Movements (ECEM), Southampton, UK
- 2009-2011 Psych 100 Advisory Group (Chair: 2010-2011), Department of Psychology, Queen's University
- 2005-2007 Organizer of the Object Perception, Attention, and Memory (OPAM) Workshop

Professional Affiliations

- Psychonomic Society (Fellow since 2013)
- Association of Psychological Science
- American Psychological Association
- Association for Computing Machinery
- Canadian Society for Brain, Behaviour and Cognitive Science
- Spark Society
- Women in Cognitive Science
- Vision Sciences Society