Monica S. Castelhano

Curriculum Vitae

General Information

Mailing Address:
Department of Psychology
Queen's University
Kingston, ON K7L 3N6
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Phone: 613-533-3266
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Web: http://qvcl.ca

Education

September 2002 – August 2005
Ph.D. Psychology, *Specialization in Cognitive Science,* Michigan State University

September 2000 – August 2002
M.A. Psychology, Michigan -18.-1g.56le(M)-1(U),31U5(n2-000s)vite(M)-r(-18.s(t)-14(s)4y(P)-00)]TJ0 Tc 0 T6.6728 0 Td( )TjEMC /P AMCID221 BDCj0.003 Tc -(

B.Sc. Psychology, Minor

: Physiology, University of Toronto

Employment

July 2020 – present

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)
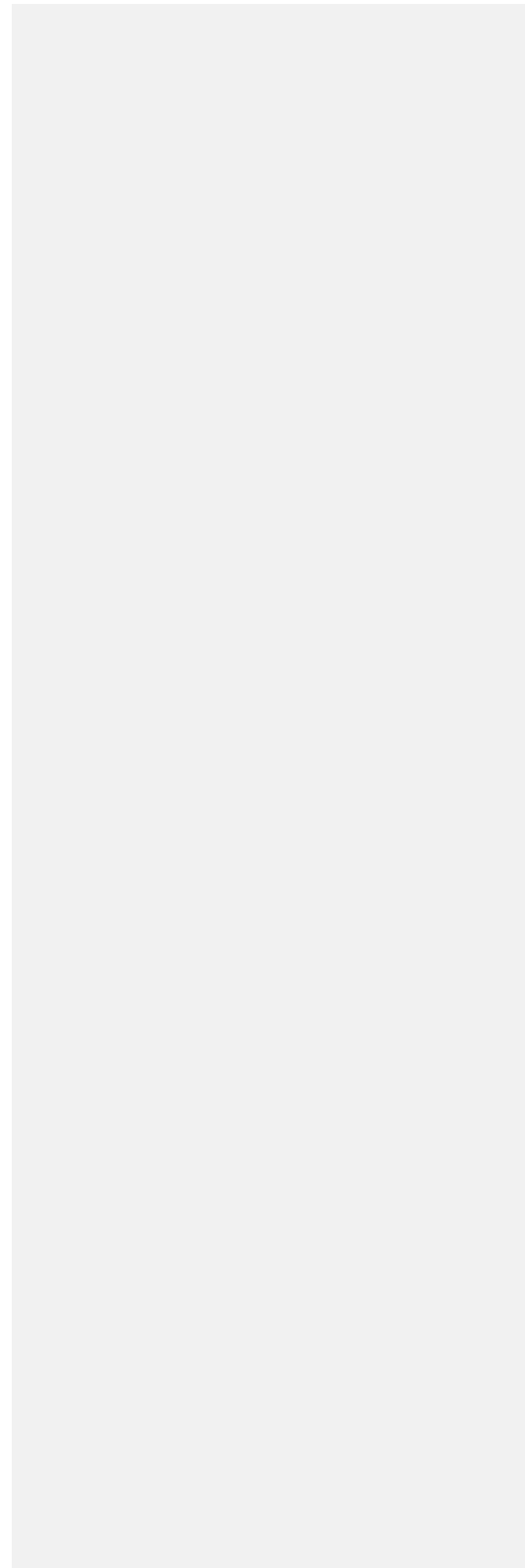
Publications & Manuscripts
(h-index: 30; citations 7338, *Google Scholar, Feb 28, 2024*)
(Students in Bold)

46. **Krzy , K., Man, L.L.-Y.,** Wammes, J.g2w [(n)-19.1 -0 0 9.1 54.61 1 9.g2w [-0.007 Tw 1.26 Tw 1.280IAs(G)-8(r)-0.31UT3 T01 2h 36(1 -0)-1(s)-8(C2/ 7
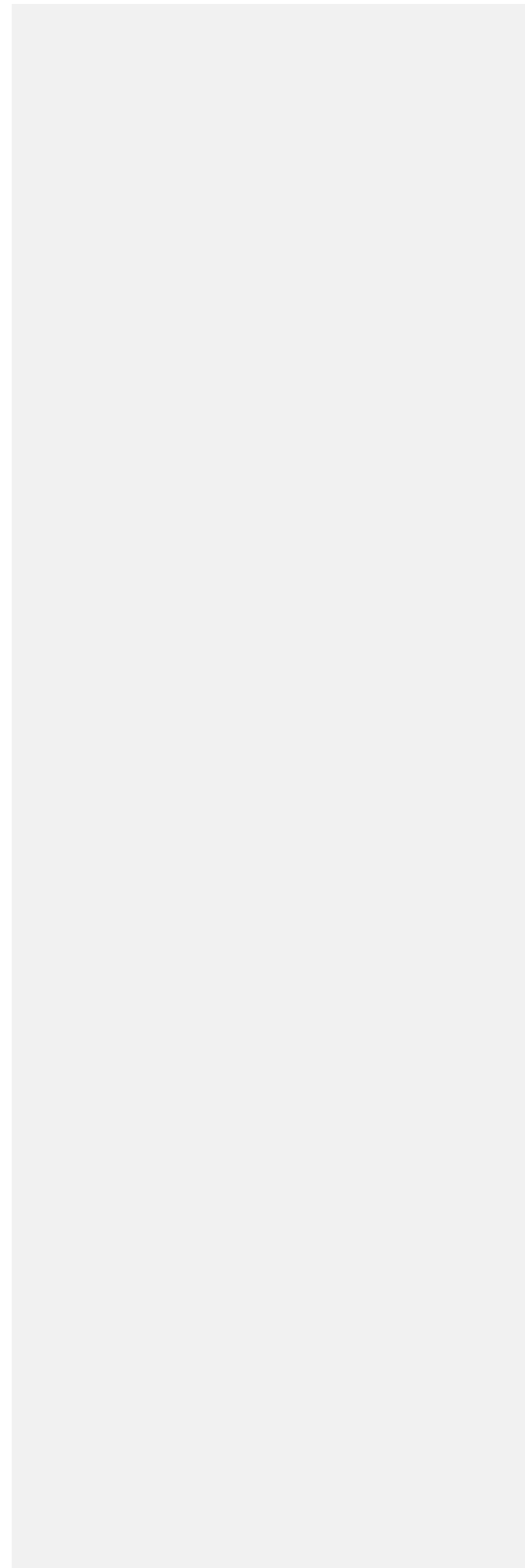
25. **Moskowitz, J. B.,** Castelhano, M. S., Gallivan, J. P., & Flanagan, J. R. (2021). Gaze behaviour when visually searching for targets to be reached toward is influenced by movement-
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across depth on visual search in scenes. *PsyArXiv.* https://doi.org/10.31234/osf.io/w6j4a

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.   **Invited Speaker,** "   University of U Seminar, Univ

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, Tubingen University, Tubingen, 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. Petersburgh, 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
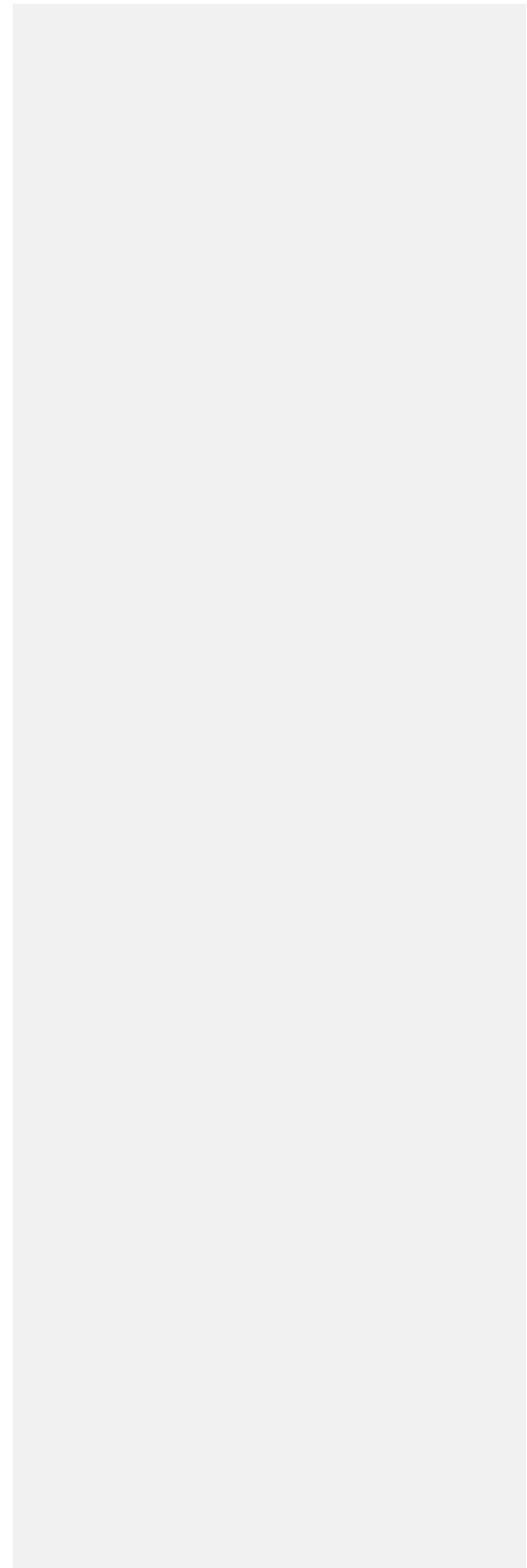
Conference Presentations (Trainees in Bold)

77. **Lum Smith, H., M   M, Li, L.S.,** Williams, C.C., &

76. O⸍o⸍   ˙= ˙M   ˙M˙O˙Oo˙ Williams, C.C., & Castelhano, 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. M   ˙M, Yan, T., & Castelhano, 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., Castelhano, 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. Castelhano, M.S. (2023). Scene Context Dynamically Influences Attention. Paper presented at the Psychonomic Society Annual Meeting, San Francisco, USA.

72. M   ˙M, Mistry, M., Yan, T.Q. & Castelhano, 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. Castelhano, 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. O˙Oo˙O⸍o⸍   ˙= ˙M   K., Williams, C.C., & Castelhano, 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. M   ˙M ˙& Castelhano, M.S. (2023). Predictive effects of spatial updating. Poster presented at 23rd Annual Meeting of the Vision Sciences Society, St. Petersburg, Florida.

68. M   ˙M& Castelhano, 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., M   ˙M, Williams, C.C., & Castelhano, 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.

39. **Tian, L., Pereira, E. J.,** & Castelhano, M.S. (February, 2015). Is a picture worth a thousand

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

13. Castelhano, 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. Castelhano, 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. Castelhano, 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., Castelhano, 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., Castelhano, 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., Castelhano, 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., Castelhano, 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. Castelhano, 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., Castelhano, 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., Castelhano, 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. Castelhano, M.S. & Henderson, J.M. (November, 2002). Early Extraction of Scene Gist

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 Krzy	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

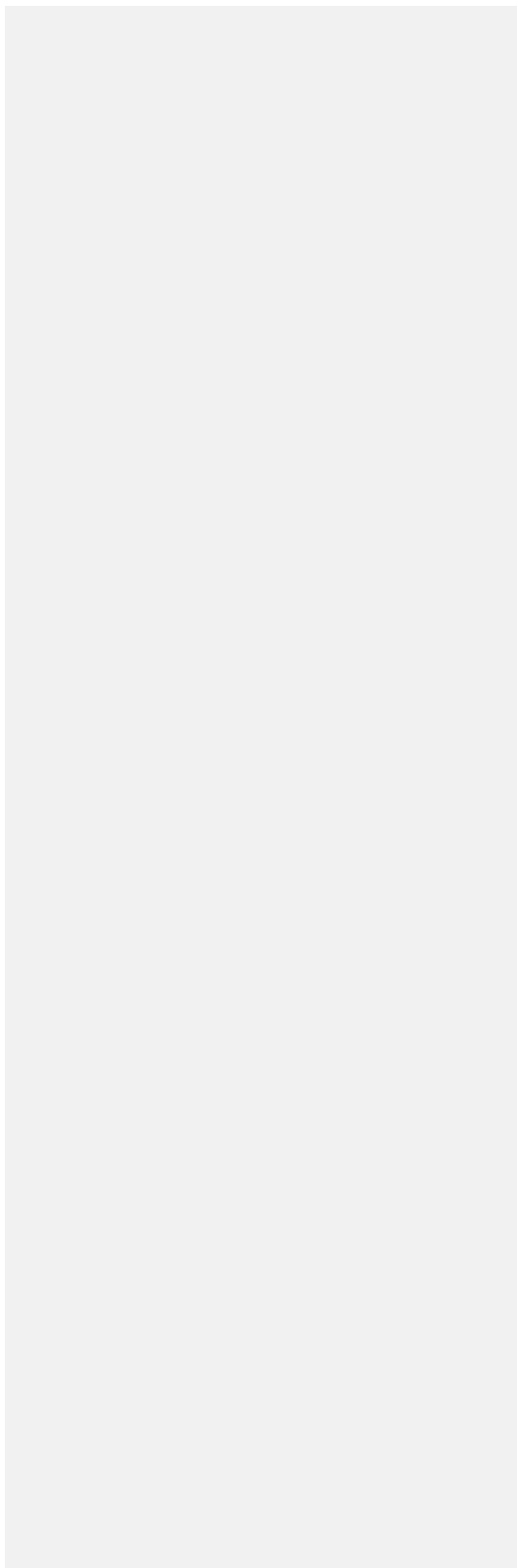| Luise Prüßner | 07/2015-10/2015 | Heidelberg University Germany |
Ryo Tachibana	10/2016-01/2017	Tohoku University, Japan
Zhe Huang	09/2016-12/2016	University of Munich, Germany
Phillipa Howard	06/2016-08/2016	University of Southampton, UK

Undergraduate Students

Name	Dates	
Jennifer Brunet	Sep-11	Mar-12
Lesley Campbell	Mar-12	Apr-13
Kyle Kogger	May-12	Jul-12

Angelica Saragosa	Oct-22	present
Emily Boland	Oct-22	present
Emily Robbie	Oct-22	Feb-23
Mridula Srikanth	Oct	

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;
Attention, Perception & Psychophysics;
Behavior Research Methods;
Brain Topography;
British Journal of Psychology;
Canadian Journal of Experimental Psychology;
Cognition;
Cognition & Emotion;
Cognitive Processing;
Cognitive Psychology;
Cognitive Science;
eLife;
European Journal of Cognitive Psychology;
Experimental Brain Research;
Experimental Psychology;

Frontiers in Psychology: Perception Science;
Human Brain Mapping; Journal of Experimental Psychology:
Fp Psy:iopelgy:

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