

# Effie J. Pereira

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<https://effiejpereira.github.io>

## RESEARCH AREAS OF INTEREST

Temporal Dynamics | Social Attention | Mind Wandering | Computational Analysis | Ecological Contexts

## ACADEMIC POSITIONS

- **Assistant Professor, Department of Psychology** 2024 - Present  
Queen's University, Kingston, Canada

## EDUCATION & TRAINING

- **NSERC Postdoctoral Research Fellow** 2020 - 2023  
University of Waterloo, Waterloo, Canada Advisor: Dr. Daniel Smilek
- **PhD, Experimental Psychology** 2014 - 2020  
McGill University, Montreal, Canada Advisor: Dr. Jelena Ristic
- **Master of Science, Psychology** 2012 - 2014  
Queen's University, Kingston, Canada Advisor: Dr. Monica Castelhana
- **Bachelor of Arts Honours, Psychology and Economics** 2004 - 2008  
Queen's University, Kingston, Canada Advisor: Dr. Ronald Holden

## RESEARCH FUNDING

- |   |                      |           |             |
|---|----------------------|-----------|-------------|
| • Waterloo Banting Research & Leadership Funding  | <i>Institutional</i> | \$25,000  | 2022 - 2024 |
| • NSERC Banting Postdoctoral Fellowship *<br>* Ranked 2 <sup>nd</sup> out of all applicants | <i>International</i> | \$140,000 | 2022 - 2024 |
| • Lupina Foundation Postdoctoral Research Fellowship  | <i>Institutional</i> | \$65,000  | 2021 - 2023 |
| • NSERC Postdoctoral Fellowship *<br>* Ranked 3 <sup>rd</sup> out of all applicants         | <i>National</i>      | \$90,000  | 2020 - 2022 |
| • CFREF Healthy Brains for Healthy Lives Graduate Fellowship                                | <i>Institutional</i> | \$15,000  | 2018 - 2019 |
| • NSERC CREATE Complex Dynamics Graduate Award  | <i>Institutional</i> | \$26,000  | 2017 - 2018 |
| • NSERC Post-Graduate Doctoral Scholarship  | <i>National</i>      | \$63,000  | 2014 - 2017 |
| • Queen Elizabeth Graduate Scholarship in Science & Technology                              | <i>National</i>      | \$15,000  | 2013 - 2014 |
| • R. S. McLaughlin Fellowship   | <i>Institutional</i> | \$10,000  | 2012 - 2013 |

## AWARDS AND HONOURS

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• CSPC Science Meets Parliament Delegate	<i>National</i>		2023
• J. Frank Yates Student Conference Award	<i>International</i>	\$1,000	2020
• Post-Graduate Student Society Travel Award	<i>Institutional</i>	\$1,000	2020
• Mendelson Travel Award	<i>Institutional</i>	\$300	2020
• CFREF Healthy Brains for Healthy Lives, Entrance Scholarship for IVADO / MILA Deep Learning School	<i>Institutional</i>	\$500	2019
• CSBBCS Hebb Student Award, Runner-up for Best Oral Presentation	<i>International</i>	\$100	2019
• CFREF Healthy Brains for Healthy Lives, Best Oral Presentation	<i>Institutional</i>	\$500	2019
• Michael Quek Teaching Assistantship Award	<i>Institutional</i>	\$50	2019
• APA Division 3 Society for Experimental Psychology & Cognitive Science, Most Outstanding Empirical Paper	<i>International</i>		2019
• Graduate Research Enhancement and Travel Award	<i>Institutional</i>	\$300	2019
• DataCamp Scholarship for Women & Gender Minorities	<i>International</i>	\$100	2018
• Graduate Chair Award for Outstanding Departmental Service	<i>Institutional</i>		2015
• NIMH Summer Institute in Cognitive Neuroscience Fellow	<i>International</i>	\$1,000	2015
• Graduate Mobility Award	<i>Institutional</i>	\$1,230	2014
• Graduate Excellence Fellowship	<i>Institutional</i>	\$5,000	2014
• Queen's University Teaching Assistantship Award	<i>Institutional</i>		2013
• H. W. Curran Prize	<i>Institutional</i>	\$1,000	2004

## PUBLICATIONS

19 peer-reviewed publications (14 first author) | 1 manuscript submitted

*student trainees are underlined*

- 1) **Pereira, E. J.\***, Ayers-Glassey, S.\*, Wammes, J. D., & Smilek, D. (in press). Attention in hindsight: Using stimulated recall to capture dynamic fluctuations in attentional engagement. *Behavior Research Methods*.  
\* *Equal contribution to the manuscript*
- 2) Drody, A. C.\*, **Pereira, E. J.\***, & Smilek, D. (2023). The importance of accounting for off-task behaviours during data collection. *Nature Human Behavior*, 7, 1234–1236.  
\* *Equal contribution to the manuscript*
- 3) Drody, A. C., **Pereira, E. J.**, & Smilek, D. (2023). A desire for distraction: Uncovering the rates of media multitasking during online research studies. *Scientific Reports*, 13, 781.
- 4) **Pereira, E. J.**, Birmingham, E., & Ristic, J. (2022). Social attention as a general mechanism? Demonstrating the influence of stimulus content factors on social attentional biasing. *Journal of Experimental Psychology: Human Perception & Performance*, 48(4), 289–311.
- 5) **Pereira, E. J.**, Birmingham, E., & Ristic, J. (2022). Infrequent faces bias social attention differentially in manual and oculomotor measures. *Attention, Perception, & Psychophysics*, 84, 829–842.

- 6) **Pereira, E. J., Gurguryan, L., & Ristic, J.** (2020). Trait-level variability in attention modulates mind wandering and academic achievement. *Frontiers in Psychology*, 11, 909.
- 7) **Pereira, E. J., Birmingham, E., & Ristic, J.** (2019). Contextually-based social attention diverges across covert and overt measures. *Vision*, 3(2), 29.
- 8) **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.
- 9) **Pereira, E. J., Birmingham, E., & Ristic, J.** (2019). The eyes do not have it after all? Attention is not automatically biased towards faces and eyes. *Psychological Research*, 84(5), 1407–1423.
- 10) Hayward, D. A.\*, **Pereira, E. J.\***, Otto, A. R., & Ristic, J. (2017). Smile! Social reward drives attention. *Journal of Experimental Psychology: Human Perception and Performance*, 44(2), 206–214.  
 \* Most Outstanding Empirical Paper, APA Division 3 Society for Experimental Psychology & Cognitive Science  
 \* Equal contribution to the manuscript
- 11) Castelhana, M. S. & **Pereira, E. J.** (2017). The Influence of Scene Context on Parafoveal Processing of Objects. *Quarterly Journal of Experimental Psychology*, 1–42.
- 12) **Pereira, E. J. & Castelhana, M. S.** (2015). Peripheral Guidance in Scenes: The Interaction of Scene Context and Object Content. In *Particularly Exciting Experiments in Psychology: Scene Context and Visual Search*, 46.
- 13) **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, 2056–2072.
- 14) **Pereira, E. J., Driver, H. S., Stewart, S. C., & Fitzpatrick, M. F.** (2013). Comparing a Combination of Validated Questionnaires and Level III Portable Monitor with Polysomnography to Diagnose and Exclude Sleep Apnea. *Journal of Clinical Sleep Medicine*, 9, 1259–1266.
- 15) **Pereira, E. J., Sim, L., Driver, H. S., Parker, C. J., & Fitzpatrick, M. F.** (2013). The Effect of Inhaled Menthol on Upper Airway Resistance in Humans. *Canadian Respiratory Journal*, 20, 1–4.
- 16) Toukh, M., **Pereira, E. J.**, Falcon, B. J., Liak, C., Lerner, M., Hopman, W. M., Iscoe, S., Fitzpatrick, M. F., & Othman, M. (2012). The Effect of CPAP on Hypercoagulability in patients with Severe OSA as assessed by Thromboelastography. *Respiratory Physiology & Neurobiology*, 183, 218–223.
- 17) Pang, H., Redfearn, D. P., Simpson, C. S., Michael, K., **Pereira, E. J.**, Munt, P. W., Fitzpatrick, M. F., & Baranchuk, A. (2011). Reverse atrial electrical remodeling induced by CPAP in patients with severe sleep apnea. *Canadian Journal of Cardiology*, 27, 122–123.
- 18) Driver, H. S., **Pereira, E. J.**, Bjerring, K., Toop, F., Stewart, S. C., Munt, P., & Fitzpatrick, M. F. (2011). Validation of the MediByte® Type 3 Portable Monitor compared with Polysomnography for the screening of Obstructive Sleep Apnea. *Canadian Respiratory Journal*, 18, 137–143.
- 19) **Pereira, E. J.**, Kroner, D. G., Holden, R. R., & Flamenbaum, R. (2010). Testing Shneidman's model of suicidality in incarcerated offenders and in undergraduates. *Personality and Individual Differences*, 49, 912–917.

#### Articles under review

- 1) **Pereira, E. J. & Ristic, J.** Beauty in the eye of the beholder: Facial attractiveness attracts overt but not covert social attention.

Articles in preparation

- 1) **Pereira, E. J.** & Ristic, J. On-task, Off-task, Rinse, & Repeat: Fluctuating patterns of attentive and mind wandering states are associated with differential outcomes. *Status: being reviewed by co-authors.*
- 2) **Pereira, E. J.**, Gurguryan, L., & Ristic, J. Mind wandering in the real world diverges across social and digital activities. *Status: being reviewed by co-authors.*
- 3) Drody, A. C.\*, **Pereira, E. J.\***, & Smilek, D. Attention in our digital ecosystem: A risk assessment framework of voluntary media multitasking. *Status: being reviewed by co-authors.*  
\* *Equal contribution to the manuscript*
- 4) **Pereira, E. J.**, Liu, Y. Q., & Castelano, M. S. Inhibition of attention to irrelevant scene regions: Investigating mechanisms of attention during visual search in scenes. *Status: in revision.*
- 5) Castelano, M. S., & **Pereira, E. J.** Searching through the Clutter: Using Surface Guidance Framework to Explore Set Size Effects in Scenes. *Status: in revision.*
- 6) **Pereira, E. J.**, Ayers-Glassey, S., Wammes, J. D., & Smilek, D. Interested minds are predictable minds: Establishing a link between individual traits and temporal fluctuations of attentional engagement. *Status: in preparation.*
- 7) **Pereira, E. J.**, Gurguryan, L., Sheldon, S., & Ristic, J. Variability in the social content of mind wandering is associated with intrinsic connectivity within the default network. *Status: data analysis.*
- 8) **Pereira, E. J.** & Ristic, J. Who are you again? Context and not content impairs memory for personal identity. *Status: data analysis.*
- 9) **Pereira, E. J.**, Kingstone, A., & Smilek, D. Attentional allocation during impression formation. *Status: data collection.*
- 10) **Pereira, E. J.** & Smilek, D. Unpredictable minds and dysfunctional emotions: The link between predictability of unintentional mind wandering and affective dysfunction in everyday life. *Status: data collection.*
- 11) **Pereira, E. J.**, Heitzner, J., Stuart, N., Ayers-Glassey, S., Korst-Fagundes, B., & Smilek, D. Attention and learning during online video lectures are influenced by the presence and relevance of chat comments. *Status: data collection.*
- 12) Ayers-Glassey, S., **Pereira, E. J.**, Hicks, L., Korst-Fagundes, B., & Smilek, D. Examining the presence of self-video in contributing to attentional and memorial deficits of Zoom fatigue. *Status: data collection.*

**CONFERENCE PRESENTATIONS***39 conference presentations (25 first author) | 5 invited talks**student trainees are underlined*Published Abstracts

- 1) **Pereira, E. J.** & Ristic, J. (2022). Faces may not be special for attention after all. Poster, Vision Sciences Society, St. Pete Beach, FL.
- 2) **Pereira, E. J.**, Birmingham, E., & Ristic, J. (2018). Looking at faces is differentially modulated by context and novelty. Poster, Vision Sciences Society, St. Pete Beach, FL. *Journal of Vision*, 18(10), 168.
- 3) **Pereira, E. J.**, Gurguryan, L., & Ristic, J. (2016). Functional fractionation of the default mode network is associated with real-world mind wandering behaviours. Talk, Canadian Society for Brain, Behaviour, and Cognitive Science, Ottawa, ON. *Canadian Journal of Experimental Psychology*, 70(4), 403.

- 4) Gurguryan, L., **Pereira, E. J.**, & Ristic, J. (2016). Wandering Minds & Dwindling Grades: Temperament traits and academic performance predict rates of mind wandering. Poster, Canadian Society for Brain, Behaviour, and Cognitive Science, Ottawa, ON. *Canadian Journal of Experimental Psychology*, 70(4), 375.
- 5) **Pereira, E. J.**, Birmingham, E., & Ristic, J. (2016). The Eyes don't have it after all? Attention is not biased towards faces or eyes. Poster, Vision Sciences Society, St. Pete Beach, FL. *Journal of Vision*, 16(2), 1275.
- 6) **Pereira, E. J.**, Gurguryan, L., & Ristic, J. (2015). Controlling a Wandering Mind: Tasks dictate differences in the estimates of mind wandering. Poster, Canadian Society for Brain, Behaviour, and Cognitive Science, Ottawa, ON. *Canadian Journal of Experimental Psychology*, 69(4), 361.
- 7) Hayward, D. A., **Pereira, E. J.**, Vogel, T. A., Stewart, K. E., & Ristic, J. (2015). What's that smile worth? Social reward influences spatial orienting. Poster, Vision Sciences Society, St. Pete Beach, FL. *Journal of Vision*, 15(12), 454.
- 8) **Pereira, E. J.**, Liu, Y. Q., & Castelano, M. S. (2014). Inhibition of attention to irrelevant areas of a scene: Investigating mechanisms of attention during visual search. Poster, Canadian Society for Brain, Behaviour, and Cognitive Science, Toronto, ON. *Canadian Journal of Experimental Psychology*, 68(4), 290.
- 9) **Pereira, E. J.**, Liu, Y. Q., & Castelano, M. S. (2014). Inhibition of attention to irrelevant areas of a scene: Investigating mechanisms of attention during visual search. Poster, Vision Sciences Society, St. Pete Beach, FL. *Journal of Vision*, 14(10), 371.
- 10) **Pereira, E. J.** & Castelano, M. S. (2013). The Influence of Scene Context on Parafoveal Processing of Objects. Poster, Vision Sciences Society, Naples, FL. *Journal of Vision*, 13(9), 513.
- 11) **Pereira, E. J.** & Castelano, M. S. (2012). On-Line Contributions of Peripheral Information to Visual Search in Scenes: Further Explorations of Object Content and Scene Context. Poster, Vision Sciences Society, Naples, FL. *Journal of Vision*, 12(9), 740.
- 12) Berenbaum, E. M., Latimer-Cheung, A. E., Castelano, M., & **Pereira, E.** (2011). Gaining attention: The effects of message framing on attention towards physical activity messages. Journal of Exercise, Movement, and Sport. Poster, Canadian Society for Psychomotor Learning and Sport Psychology, Winnipeg, MB. *Journal of Exercise, Movement, and Sport*, 43(1), 50.
- 13) **Pereira, E. J.**, Driver, H. S., Stewart, S. C., & Fitzpatrick, M. F. (2011). Validated Questionnaires and an Ambulatory Monitor in the Diagnosis of Obstructive Sleep Apnea. Symposium Talk, Conference of the Canadian Sleep Society, Quebec City, QC. *Sleep Medicine*, 12(1), S12.
- 14) **Pereira, E. J.**, Tang, C., Glew, J. R., Driver, H. S., & Fitzpatrick, M. F. (2011). Expiratory Threshold Loading in Obesity and Obstructive Sleep Apnea. Poster, Conference of the Canadian Sleep Society, Quebec City, QC, *Sleep Medicine*, 12(1), S107.
- 15) **Pereira, E. J.** & Castelano, M. S. (2011). Guidance during Visual Search in Real-World Scenes: Scene Context vs. Object Content. Poster, Vision Sciences Society, Naples, FL. *Journal of Vision*, 11(11), 1320.

#### Conference Presentations

- 16) **Pereira, E. J.**, Ayers-Glassey, S., Hicks, L., Korst-Fagundes, B., & Smilek, D. (Jul 2023). Using machine learning to categorize facial emotions during online video communications. Talk, Canadian Society for Brain, Behaviour, and Cognitive Science, Guelph, ON.
- 17) Heitzner, J., **Pereira, E. J.**, Ayers-Glassey, S., Korst-Fagundes, B., & Smilek, D. (Jul 2023). Are attention and learning during online video lectures influenced by the presence and relevance of chat comments? Poster, Canadian Society for Brain, Behaviour, and Cognitive Science, Guelph, ON.

- 18) **Pereira, E. J.**, Ayers-Glassey, S., Wammes, J. D., & Smilek, D. (Jun 2023). Cognition in hindsight: A novel way to capture dynamic changes in attentional engagement over time. Talk, Canadian Psychological Association, Toronto, ON.
- 19) Drody, A., **Pereira, E. J.**, Ralph, B. C. W., Danckert, J., & Smilek, D. (May 2023). Examining the influence of motivation on media multitasking over time-on-task. Poster, Association for Psychological Science Annual Conference, Washington, DC.
- 20) Ayers-Glassey, S., **Pereira, E. J.**, Wammes, J. D., & Smilek, D. (Feb 2023). How memorable are momentary states of mind-wandering? Poster, Lake Ontario Visionary Establishment Conference, Niagara Falls, ON.
- 21) Ayers-Glassey, S., **Pereira, E. J.**, Wammes, J. D., & Smilek, D. (Jul 2022). Mind-wandering is not as memorable as attentional engagement: Probe framing affects retrospective reporting of remembered attentional states. Talk, Canadian Society for Brain, Behaviour, and Cognitive Science, Halifax, NS.
- 22) Smith, A. C.\*, **Pereira, E. J.**, & Smilek, D. (Jul 2022). Does ‘the pill’ predict attention? The relation between oral contraceptive use and sustained attention. Talk, Canadian Society for Brain, Behaviour, and Cognitive Science, Halifax, NS.  
*\* CSBBCS Hebb Student Award, Best Oral Presentation*
- 23) **Pereira, E. J.**, Ayers-Glassey, S., Wammes, J. D., & Smilek, D. (Jun 2021). Interested minds are predictable minds: Establishing a link between individual traits and temporal fluctuations of attentional engagement. Talk, Canadian Society for Brain, Behaviour, and Cognitive Science, Virtual Meeting.
- 24) Ayers-Glassey, S.\*, **Pereira, E. J.**, Wammes, J. D., & Smilek, D. (Jun 2021). Attention in hindsight: Using video-stimulated recall as a novel approach to capturing fluctuations in self-reported attentional engagement. Poster, Canadian Society for Brain, Behaviour, and Cognitive Science, Virtual Meeting.  
*\* CSBBCS Hebb Student Award, Best Poster Presentation*
- 25) Smith, A. C., **Pereira, E. J.**, & Smilek, D. (Jun 2021). Examining the relation between oral contraceptive use and trait- and state-level attention. Talk, Canadian Society for Brain, Behaviour, and Cognitive Science, Virtual Meeting.
- 26) **Pereira, E. J.\***, Birmingham, E., & Ristic, J. (Nov 2020). Covert and overt social attention is differentially affected by a reintroduction of face novelty, context, and attractiveness. Poster, Psychonomics Society, Virtual Meeting.  
*\* J. Frank Yates Student Conference Award*
- 27) **Pereira, E. J.**, Gurguryan, L., Sheldon, S., & Ristic, J. (Nov 2019). Variability in the content of mind wandering is associated with intrinsic connectivity within the default network. Poster, Object, Perception, Attention, & Memory, Montreal, QC.
- 28) **Pereira, E. J.**, Birmingham, E., & Ristic, J. (Nov 2019). Overt social attention is differentially affected by differences in stimulus content information. Poster, Psychonomics Society, Montreal, QC.
- 29) **Pereira, E. J.\*** & Ristic, J. (June 2019). Within-individual oscillatory patterns in mind wandering and attentive states are associated with functional life outcomes. Talk, Canadian Society for Brain, Behaviour, and Cognitive Science, Waterloo, ON.  
*\* CSBBCS Hebb Student Award, Runner-up for Best Oral Presentation*
- 30) **Pereira, E. J.\*** & Ristic, J. (May 2019). Within-individual oscillatory patterns in mind wandering and attentive states are associated with functional life outcomes. Talk, Healthy Brains for Healthy Lives Research Day, Montreal, QC.  
*\* CFREF Healthy Brains for Healthy Lives Award, Best Oral Presentation*

- 31) **Pereira, E. J., Markham, R., & Ristic, J.** (Nov 2017). Who are you again? The butcher-on-the-bus phenomenon revisited. Poster, Object, Perception, Attention, & Memory, Vancouver, BC.
- 32) **Pereira, E. J. & Ristic, J.** (Nov 2017). On-task, Off-task, Rinse, & Repeat: Oscillatory patterns of mind wandering predict real-world functioning. Poster, Psychonomics Society, Vancouver, BC.
- 33) Ristic, J., Birmingham, E., & **Pereira, E. J.** (Nov 2017). Searching for the social attention bias. Talk, Psychonomics Society, Vancouver, BC.
- 34) Tian, L., **Pereira, E. J.**, & Castelhamo, M. S. (Nov 2014). Is a Picture worth a Thousand Objects? How Set Size and Scene Context affect Visual Search Efficiency. Poster, Object, Perception, Attention, & Memory, Long Beach, CA.
- 35) **Pereira, E. J. & Castelhamo, M. S.** (Feb 2014). The Influence of Scene Context on Parafoveal Processing of Objects. Poster, Lake Ontario Visionary Establishment Conference, Niagara Falls, ON.
- 36) **Pereira, E. J., David, L. A., Stefanik, L. N., & Bowie, C. R.** (Apr 2013). Deconstructing the Wisconsin Card Sort Test: Investigating Cognitive Impairments in Schizophrenia using Eye Tracking. Poster, International Congress on Schizophrenia Research: Cognition Satellite Meeting, Orlando, FL.
- 37) Gupta, M., **Pereira, E. J., Stefanik, L.**, Holshausen, K., David, L., & Bowie, C. R. (Apr 2013). Cognitive mechanisms underlying adaptive behaviour on a performance-based measure in schizophrenia: An eye tracking study. Poster, International Congress on Schizophrenia Research: Cognition Satellite Meeting, Orlando, FL.
- 38) **Pereira, E. J., Kroner, D. G., Holden, R. R., & Flamenbaum, R.** (Jun 2009). The Importance of Psychache in Statistically Predicting Suicidality and Self-Harm in Samples of Federal Offenders and Undergraduates. Poster, Canadian Psychological Association Convention, Montreal, QC.
- 39) Driver, H., Bjerring, K., Toop, F., **Pereira, E.**, Toop, F., Stewart, S., Munt, P., & Fitzpatrick, M. (Apr 2009). Evaluation of a Portable Monitor compared with Polysomnography for the Diagnosis of Obstructive Sleep Apnea. Poster, Conference of the Canadian Sleep Society, Toronto, ON.

#### Invited Talks

- 1) **Pereira, E. J.** (Mar 2021). Characterizing temporal fluctuations in mind wandering & attentional states. Talk, Correlats Subjectifs Laboratory Group, Paris, France.
- 2) **Pereira, E. J.** (Jan 2019). Oscillatory patterns of mind wandering predict real-world costs & benefits. Talk, Graduate Student Colloquium, Montreal, QC.
- 3) **Pereira, E. J.** (Aug 2018). Oscillatory patterns of mind wandering predict real-world costs & benefits. Talk, Symposium on Nonlinear Dynamics; Montreal, QC.
- 4) **Pereira, E. J.** (Sep 2016). Functional fractionation of the default mode network is associated with real-world mind wandering behaviours. Talk, Graduate Student Colloquium, Montreal, QC.
- 5) **Pereira, E. J.** (Jun 2012). The Utility of Questionnaires & Portable Monitoring for the Diagnosis of Obstructive Sleep Apnea. Symposium Talk, Ottawa-Kingston Respiriology PneumoClub, Ottawa, ON.

## ARTICLES

- 1) Funk, A., Funston, G. A., Michaels, J. A., Moritz, S. C., **Pereira, E. J.**, & Toombs, E. (2023). Building Better Bantings: Connecting Canada's postdoctoral fellows is critical for Canada's scientific future. *Canadian Science Policy Magazine*.

*\* Equal contribution to the manuscript*

## INDUSTRY COLLABORATIONS

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- **Pereira, E. J.** (2019). EyeLink-Biosemi EEG software integration, Experiment Builder v.2.2.1. Development & Testing; *SR Research*.
- **Pereira, E. J.** (2015). GridWare State Space Grids macro software design, Macro Catalogue v.2. Programming; *Adolescent Dynamics Laboratory*.

## PRESS COVERAGE

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- CBC Ideas from the Trenches (forthcoming). *Tracking the wandering mind*.
- [Waterloo News](#) (2021). *Wandering minds and dysfunctional emotions*.
- [Psychonomic Society](#) (2020). *Sensory information, goals, and prior knowledge come together to capture attention*.
- [Science Trends](#) (2019). *Looking at versus focusing on faces: What attracts our attention?*

## TEACHING EXPERIENCE

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### Course Instructor

- Cognition in the Digital Age | Queen's University Jan 2024 - Present

### Workshop Development

- R Summer Camp | McGill University | Attendance: 250 undergraduate & graduate students Aug 2020
- Introduction to R | McGill University | Attendance: 20 graduate students Feb 2016

### Guest Lecturer

- Special Topics in Neuropsychology | Topic: *Methods in Cognitive Neuroscience* Sep 2020
- Cognition | Topic: *As the Mind Wanders: Studying internal attention in cognitive psychology* May 2020
- Special Topics in Neuropsychology | Topic: *The Neuropsychology of Mind Wandering* Nov 2019
- Cognition | Topic: *The Wandering Mind: Where your attention goes when you are not looking* Jun 2019
- Special Topics in Neuropsychology | Topic: *Mind Wandering: More than just the fault in our stars* Nov 2018
- Cognitive Development | Topic: *Conceptualizing social attention in cognitive developmental research* Nov 2018
- Psychology Honours Research Seminar | Topic: *Applying to Graduate School* Oct 2017
- Psychology Honours Seminar | Topic: *Applying to Graduate School* Mar 2017

### Teaching Assistant

- Cognition | Professor: *Dr. Nida Latif* May 2020 - Jun 2020
- Cognition | Professor: *Dr. Signy Sheldon* Jan 2020 - Apr 2020
- Special Topics in Neuropsychology | Professor: *Dr. Jelena Ristic* Sep 2019 - Dec 2019
- Cognition | Professor: *Dr. Nida Latif* Jun 2019 - Jul 2019
- Statistics for Experimental Design | Professor: *Dr. Carl Falk* Jan 2019 - Apr 2019



- Cognitive Development \* | *Professor: Dr. Kris Onishi* Sep 2018 - Dec 2018
- Research Methods in Psychology \*\* | *Professor: Dr. Daryl Wilson* Jan 2014 - Apr 2014
- Introductory Psychology | *Professors: Dr. Jill Atkinson & Dr. Ingrid Johnsrude* May 2013 - Aug 2013
- Introductory Psychology | *Professors: Dr. Jill Atkinson & Dr. Ingrid Johnsrude* Sep 2012 - Apr 2013

\* Awarded the McGill University Michael Quek Teaching Assistantship Award

\*\* Awarded the Queen's University Psychology Teaching Assistantship Award

## MENTORSHIP & CO-SUPERVISION

3 graduate students | 14 honours theses | 31 RAs

### Graduate Co-Supervision

- Allison Drodzy\*, Samantha Ayers-Glassey\*, Zion Leatham Sep 2020 - Present

### Honours Theses / Directed Studies Project

- Jackie Heitzner\* Jan 2023 - Apr 2023
- Chloe Muller Sep 2019 - Apr 2020
- Yongyao Li, Julia Fuoco Sep 2017 - Apr 2019
- Iman Lahouaoula, Jacqueline Brown, Rachel Markham\* Sep 2016 - Apr 2017
- Mona Li, Nicole Ahn, Olivia Larson\*\*, Yun Lu Sep 2015 - Apr 2016
- Jessica Michelin, Kathleen Stewart, Lauri Gurguryan\* Sep 2014 - Apr 2015

### Research Assistants

- Kudrat Singh, Vanessa Goodman Sep 2022 - Apr 2023
- Enes Bal, Joshua Leung, Joyce Park\*, Katherine Guo Sep 2021 - Aug 2022
- Amy Wang, Chantal Trudel, Nicole Stuart\*, Salone Verma Sep 2020 - Aug 2021
- Amrita Sandhu, Jessica Haight Sep 2019 - Apr 2020
- Abigail Jakus, Juliette Ryan-Lortie, Moataz Salim, Soraya Afara Sep 2018 - Apr 2019
- Cynthia Larche, Erica Brossard, Shannon Harrington Sep 2017 - Apr 2018
- Jenna Morris, Krysten Stadel Sep 2016 - Apr 2017
- Anjali Pandey, Eleanor Milman, Lovisa Ljungberg, ManLu Liu Sep 2015 - Apr 2016
- Harrison Ritz, Heather Brooks, Keziah Uychocde, Laura Tian, Sasha Usyatynsky, Yu Qing Lin\* Sep 2012 - Aug 2014

\* Students who are co-authors on publications

\*\* Students who were awarded with best poster / talk for Undergraduate Research Conferences

## EDITORIAL ACTIVITIES

### Editorial Board

- Member | *Canadian Journal of Experimental Psychology* Jan 2023 - Present

Journal Peer Reviewing

- Acta Psychologica | Behavior Research Methods | British Journal of Psychology | Canadian Journal of Experimental Psychology | Cognition and Emotion | Journal of Experimental Psychology: Human Perception & Performance | Journal of Vision | Psychological Trauma: Theory, Research, Practice, & Policy | Quarterly Journal of Experimental Psychology | Visual Cognition

Other Peer Reviewing

- Neurotechnology Judge | 'Synaptic Hacks' Hackathon, *Simply Neuroscience* Aug 2021

**SERVICE & COMMITTEE MEMBERSHIPS**

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National

- **Planning Committee Member** Jun 2023 - Present  
Science Meets Parliament (SMP), Canadian Science Policy Centre
- **Senior Academic Mentor** Jan 2021 - Present  
Action Potential Advising Program (APAP), Simply Neuroscience
- **Session Moderator** Jun 2021  
Canadian Society for Brain, Behaviour, and Cognitive Science (CSBBCS)
- **Departmental Representative** Sep 2015 - Aug 2016  
Canadian Society for Brain, Behaviour, and Cognitive Science (CSBBCS)

Departmental

- **Graduate Student Representative & Graduate Handbook Member** Sep 2019 - Dec 2020  
Department of Psychology, McGill University
- **Graduate Program Quantitative Specialization Workgroup Member** Sep 2018 - Aug 2019  
Department of Psychology, McGill University
- **Graduate Student Representative & Grievance Subcommittee Member** Sep 2015 - Aug 2017  
Department of Psychology, McGill University
- **Hebb Lecture Series Committee Member** Sep 2015 - Aug 2017  
Department of Psychology, McGill University
- **Cognitive Neuroscience Representative** Sep 2012 - Aug 2014  
Association of Graduate Students in Psychology (AGSIP), Queen's University

Institutional

- **Acting President (2006 - 2007), Recruiter (2005 - 2006)** Sep 2004 - Aug 2008  
Telephone Aid Line Kingston (TALK), Queen's University
- **Head of Media Relations & Speaker Events** Sep 2004 - Aug 2006  
Mental Health Awareness Committee (MHAC), Queen's University

## WORK EXPERIENCE

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- **Science Communication Editor** | Department of Psychology  
McGill University, Montreal, Canada Sep 2014 - Dec 2021
- **Graphic Designer** | School of Computer Science  
McGill University, Montreal, Canada Jan 2020 - Dec 2020
- **Technical Research Intern** | SR Research  
Ottawa, Canada May 2018 - Jun 2019
- **Software Programmer** | Adolescent Dynamics Laboratory  
Queen's University, Kingston, Canada Sep 2012 - Aug 2014
- **Research Associate** | Cognition in Psychological Disorders Laboratory  
Queen's University, Kingston, Canada Sep 2011 - Aug 2014
- **Lab Manager & Research Associate** | Visual Cognition Laboratory  
Queen's University, Kingston, Canada Sep 2008 - Aug 2012
- **Clinical Research Associate** | Sleep Disorders Laboratory  
Kingston General Hospital, Kingston, Canada Sep 2008 - Aug 2012

## PROFESSIONAL DEVELOPMENT & TRAINING

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- CenterStat Multilevel Models for Hierarchical Data Workshop Dec 2023
- UC Davis ERP Boot Camp Aug 2023
- CenterStat Intensive Longitudinal Data Workshop Jun 2023
- CenterStat Mixture Modeling & Latent Class Analysis Workshop May 2023
- CenterStat Structural Equation Modeling Workshop May 2021
- UC Davis ERP Decoding Bootcamp Jun 2020
- IVADO / MILA Deep Learning School Sep 2019
- Mouse-tracking Workshop May 2019
- Machine Learning for the Cognitive Neurosciences Workshop Oct 2018
- Resting-state & Brain Connectivity Workshop Sep 2018
- The Virtual Brain Workshop Aug 2018
- Brainstorm EEG Workshop May 2018
- MATLAB Neuroscience Workshop Sep 2017
- Workshop on Nonlinear Dynamic Methods Aug 2017
- Kavli Summer Institute in Cognitive Science Jul 2015
- R Programming Workshop Jun 2015

## PROFESSIONAL AFFILIATIONS

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- Canadian Psychological Association | Canadian Society for Brain, Behaviour and Cognitive Science | Psychonomic Society | Simply Neuroscience | Vision Sciences Society | Women in Cognitive Science – Canada | Women in Science and Engineering Network of Collaboration

## TECHNICAL EXPERTISE

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- Programming Languages: Python, R, Javascript, PHP, MATLAB, SQL, VBA, C++
- Hardware: EEG systems (BioSemi, EGI, Brain Vision), eye tracking systems (EyeLink, Tobii, Smart Eye)
- Software: EEGLab, Brainstorm, Experiment Builder, SPSS, Jamovi, StatView, Illustrator, InDesign