

# Effie J. Pereira

62 Arch Street, Kingston, ON, Canada, K7L 3N6 | [effie.pereira\[at\]queensu.ca](mailto:effie.pereira[at]queensu.ca)  
<https://effiejpereira.github.io>

## RESEARCH AREAS OF INTEREST

---

Attentional Dynamics | Temporal Factors | Social Situations | Internal Thoughts | Digital Environments  
Behavioural Experiments | Psychophysiological Measures | Computational Analysis | Ecological Design

## 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

## PUBLICATIONS

---

22 peer-reviewed publications (15 first author)

*student trainees are underlined*

- 1) Drody, A. C.\*, **Pereira, E. J.\***, & Smilek, D. (2025). Attention in our digital ecosystem: The five interactive components that drive volitional media multitasking. *Psychonomic Bulletin & Review*.  
\* Equal contribution to the manuscript
- 2) Ayers-Glassey, S., **Pereira, E. J.**, Wammes, J. D., & Smilek, D. (2025). Retrospective attention: Examining temporally specific retrospective reports of mind wandering and engagement during online video lectures. *Psychological Research*, 89, 103.
- 3) Drody, A. C., **Pereira, E. J.**, Danckert, J., & Smilek, D. (2025). Inattention over time-on-task: The role of motivation in mitigating temporal increases in media multitasking. *Frontiers in Cognition*, 4.

- 4) **Pereira, E. J.\***, Ayers-Glassey, S.\*, Wammes, J. D., & Smilek, D. (2024). Attention in hindsight: Using stimulated recall to capture dynamic fluctuations in attentional engagement. *Behavior Research Methods*, 56(6), 5354–5385.  
\* *Equal contribution to the manuscript*
- 5) 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*
- 6) 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.
- 7) **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.
- 8) **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.
- 9) **Pereira, E. J.**, Gurguryan, L., & Ristic, J. (2020). Trait-level variability in attention modulates mind wandering and academic achievement. *Frontiers in Psychology*, 11, 909.
- 10) **Pereira, E. J.**, Birmingham, E., & Ristic, J. (2019). Contextually-based social attention diverges across covert and overt measures. *Vision*, 3(2), 29.
- 11) **Pereira, E. J.** & Castelhamo, 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.
- 12) **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.
- 13) 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*
- 14) Castelhamo, M. S. & **Pereira, E. J.** (2017). The Influence of Scene Context on Parafoveal Processing of Objects. *Quarterly Journal of Experimental Psychology*, 1–42.
- 15) **Pereira, E. J.** & Castelhamo, 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.
- 16) **Pereira, E. J.** & Castelhamo, 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.
- 17) **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.
- 18) **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.

- 19) 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.
- 20) 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.
- 21) 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.
- 22) **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 in professional journals

- 23) 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

#### Articles under review

- 1) **Pereira, E. J.** & Ristic, J. Beauty in the eye of the beholder: Attention to attractive faces dissociates across covert and overt measures. *Attention, Perception, & Psychophysics*.
- 2) Smith, A. C., Marty-Dugas, J., **Pereira, E. J.**, Ralph, B. C. W., & Smilek, D. 'The Pill' and Sustained Attention: The Relation Between Oral Contraceptive Use and Performance and Mind Wandering During a Sustained Attention Task. *Psychological Research*.

#### Articles in preparation

- 3) **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*.
- 4) **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*.
- 5) **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*.
- 6) Castelano, M. S., & **Pereira, E. J.** Searching through the Clutter: Using Surface Guidance Framework to Explore Set Size Effects in Scenes. *Status: in revision*.
- 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.**, 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 analysis*.
- 9) **Pereira, E. J.** & Ristic, J. Who are you again? Context and not content impairs memory for personal identity. *Status: data analysis*.

- 10) 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 analysis.*

## PRESENTATIONS

46 conference presentations | 18 invited talks & panels

*student trainees are underlined*

### Conference Talks & Symposia

- 1) Ayers-Glassey, S., **Pereira, E. J.**, Wammes, J. D., & Smilek, D. (Jun 2025). *How accurate are retrospective reports of attention following a 24 hr delay?* Talk, Canadian Society for Brain, Behaviour, and Cognitive Science, Glasgow, Scotland.
- 2) Ayers-Glassey, S., **Pereira, E. J.**, Wammes, J. D., & Smilek, D. (Jun 2024). *Where was my mind? Examining the accuracy of temporally specific recollections of prior mind-wandering states.* Talk, Canadian Society for Brain, Behaviour, and Cognitive Science, Edmonton, AB.
- 3) **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.
- 4) **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.
- 5) 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.
- 6) 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*

- 7) **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.
- 8) 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.
- 9) **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*

- 10) **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*

- 11) Ristic, J., Birmingham, E., & **Pereira, E. J.** (Nov 2017). *Searching for the social attention bias.* Talk, Psychonomics Society, Vancouver, BC.

- 12) **Pereira, E. J., Gurguryan, L., & Ristic, J.** (Jun 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.
- 13) **Pereira, E. J.** (Jun 2012). *The Utility of Questionnaires & Portable Monitoring for the Diagnosis of Obstructive Sleep Apnea*. Symposium Talk, Ottawa-Kingston Respiratory PneumoClub, Ottawa, ON.
- 14) **Pereira, E. J., Driver, H. S., Stewart, S. C., & Fitzpatrick, M. F.** (Jul 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.

#### Conference Posters

- 15) **Harling, J. M. & Pereira, E. J.** (Feb 2025). *Assessing the temporal dynamics of attentional control across tasks*. Poster, Lake Ontario Visionary Establishment Conference, Niagara Falls, ON.
- 16) **Rajagopal, M., Pelau, Y., & Pereira, E. J.** (Feb 2025). *The impact of webcam use on attention and memory in online learning*. Poster, Lake Ontario Visionary Establishment Conference, Niagara Falls, ON.
- 17) **Srikanth, M., Chalmers, S., Capozzi, F., & Pereira, E. J.** (Feb 2025). *Temporal trajectory of social attention and its role in impression formation*. Poster, Lake Ontario Visionary Establishment Conference, Niagara Falls, ON.
- 18) **Ayers-Glassey, S., Pereira, E. J., Wammes, J. D., & Smilek, D.** (Feb 2025). *Examining the accuracy of temporally specific recollections of prior mind-wandering and attentional engagement*. Poster, Lake Ontario Visionary Establishment Conference, Niagara Falls, ON.
- 19) **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.
- 20) **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.
- 21) **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.
- 22) **Pereira, E. J. & Ristic, J.** (May 2022). *Faces may not be special for attention after all*. Poster, Vision Sciences Society, Virtual Meeting.
- 23) **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
- 24) **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
- 25) **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.

- 26) **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.
- 27) **Pereira, E. J.**, Birmingham, E., & Ristic, J. (May 2018). *Looking at faces is differentially modulated by context and novelty*. Poster, Vision Sciences Society, St. Pete Beach, FL.
- 28) **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.
- 29) **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.
- 30) Gurguryan, L., **Pereira, E. J.**, & Ristic, J. (Jun 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.
- 31) **Pereira, E. J.**, Birmingham, E., & Ristic, J. (May 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.
- 32) **Pereira, E. J.**, Gurguryan, L., & Ristic, J. (Jun 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.
- 33) Hayward, D. A., **Pereira, E. J.**, Vogel, T. A., Stewart, K. E., & Ristic, J. (May 2015). *What's that smile worth? Social reward influences spatial orienting*. Poster, Vision Sciences Society, St. Pete Beach, FL.
- 34) Tian, L., **Pereira, E. J.**, & Castelhana, 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.**, Liu, Y. Q., & Castelhana, M. S. (Jul 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.
- 36) **Pereira, E. J.**, Liu, Y. Q., & Castelhana, M. S. (May 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.
- 37) **Pereira, E. J.** & Castelhana, M. S. (Feb 2014). *The Influence of Scene Context on Parafoveal Processing of Objects*. Poster, Lake Ontario Visionary Establishment Conference, Niagara Falls, ON.
- 38) **Pereira, E. J.** & Castelhana, M. S. (May 2013). *The Influence of Scene Context on Parafoveal Processing of Objects*. Poster, Vision Sciences Society, Naples, FL.
- 39) **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.
- 40) 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.
- 41) **Pereira, E. J.** & 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, Vision Sciences Society, Naples, FL.
- 42) Berenbaum, E. M., Latimer-Cheung, A. E., Castelhana, M., & **Pereira, E.** (Oct 2011). *Gaining attention: The effects of message framing on attention towards physical activity messages*. Poster, Canadian Society for Psychomotor Learning and Sport Psychology, Winnipeg, MB.

- 43) **Pereira, E. J., Tang, C.,** Glew, J. R., Driver, H. S., & Fitzpatrick, M. F. (Jul 2011). *Expiratory Threshold Loading in Obesity and Obstructive Sleep Apnea*. Poster, Conference of the Canadian Sleep Society, Quebec City, QC.
- 44) **Pereira, E. J.** & Castelhana, M. S. (May 2011). *Guidance during Visual Search in Real-World Scenes: Scene Context vs. Object Content*. Poster, Vision Sciences Society, Naples, FL.
- 45) **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.
- 46) 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 & Lectures

- 1) **Pereira, E. J.** (Feb 2025). *Social attention is in the eye of the beholder*. Talk, Centre de recherche en neurosciences cognitives de l'Université du Québec à Montréal (NeuroQAM), Montreal, QC.
- 2) **Pereira, E. J.** (Feb 2025). *Social attention is in the eye of the beholder*. Talk, Centre for Neuroscience Studies Seminar Series, Kingston, ON.
- 3) **Pereira, E. J.** (Mar 2024). *Attention in Context: Lost in a storm of time*. Guest Lecture, Research Methods in Psychology, Queen's University, Kingston, ON.
- 4) **Pereira, E. J.** (Feb 2024). *Finding the "I" in attention*. Talk, Connected Minds Research Retreat, Toronto, ON.
- 5) **Pereira, E. J.** (Mar 2021). *Characterizing temporal fluctuations in mind wandering & attentional states*. Talk, Correlats Subjectifs Laboratory Group, Paris, France.
- 6) **Pereira, E. J.** (Sep 2020). *Methods in Cognitive Neuroscience*. Guest Lecture, Special Topics in Neuropsychology, McGill University, Montreal, QC.
- 7) **Pereira, E. J.** (May 2020). *As the Mind Wanders: Studying internal attention in cognitive psychology*. Guest Lecture, Cognition, McGill University, Montreal, QC.
- 8) **Pereira, E. J.** (Nov 2019). *The Neuropsychology of Mind Wandering*. Guest Lecture, Special Topics in Neuropsychology, McGill University, Montreal, QC.
- 9) **Pereira, E. J.** (Jun 2019). *The Wandering Mind: Where your attention goes when you are not looking*. Guest Lecture, Cognition, McGill University, Montreal, QC.
- 10) **Pereira, E. J.** (Jan 2019). *Oscillatory patterns of mind wandering predict real-world costs & benefits*. Talk, Graduate Student Colloquium, McGill University, Montreal, QC.
- 11) **Pereira, E. J.** (Nov 2018). *Mind Wandering: More than just the fault in our stars*. Guest Lecture, Special Topics in Neuropsychology, McGill University, Montreal, QC.
- 12) **Pereira, E. J.** (Nov 2018). *Conceptualizing social attention in cognitive developmental research*. Guest Lecture, Cognitive Development, McGill University, Montreal, QC.
- 13) **Pereira, E. J.** (Aug 2018). *Oscillatory patterns of mind wandering predict real-world costs & benefits*. Talk, Symposium on Nonlinear Dynamics, Montreal, QC.
- 14) **Pereira, E. J.** (Sep 2016). *Functional fractionation of the default mode network is associated with real-world mind wandering behaviours*. Talk, Graduate Student Colloquium, McGill University, Montreal, QC.

Panels

- 15) **Pereira, E. J.** (May 2024). *Talking to Parliamentarians about Science*. Panel Member, Science Meets Parliament, Ottawa, ON.
- 16) **Pereira, E. J.** (Mar 2024). *Academic & Industry Careers in Neuroscience*. Panel Member, Women in Neuro Conference, Kingston, ON.
- 17) **Pereira, E. J.** (Oct 2017). *Applying to Graduate School*. Panel Member, Psychology Honours Research Seminar, McGill University, Montreal, QC.
- 18) **Pereira, E. J.** (Mar 2017). *Applying to Graduate School*. Panel Member, Psychology Honours Seminar, McGill University, Montreal, QC.

**INDUSTRY COLLABORATIONS**

---

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

**PRESS COVERAGE**

---

- [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?*

**RESEARCH FUNDING**

---

Active Grants

- |   |    |           |             |
|---|----|-----------|-------------|
| • NSERC Discovery Grant<br><i>Uncovering the basic mechanisms that drive the temporal dynamics of selective attention</i> | PI | \$222,500 | 2025 - 2029 |
| • CFI John R. Evans Leaders Fund<br><i>Uncovering the temporal dynamics of selective attention</i>                        | PI | \$298,000 | 2025 - 2028 |
| • CFREF Connected Minds<br><i>Research Initiation Grant</i>   | PI | \$225,000 | 2024 - 2029 |
| • Queen’s University<br><i>Research Initiation Grant</i>  | PI | \$158,000 | 2024 - 2027 |



Prior Funding

• Waterloo Banting Research & Leadership Funding	<i>Institutional</i>	\$25,000	2022 - 2024
• NSERC Banting Postdoctoral Fellowship *	<i>International</i>	\$140,000	2022 - 2024
* Ranked 2 <sup>nd</sup> out of all applicants			
• Lupina Foundation Postdoctoral Research Fellowship	<i>Institutional</i>	\$65,000	2021 - 2023
• NSERC Postdoctoral Fellowship *	<i>National</i>	\$90,000	2020 - 2022
* Ranked 3 <sup>rd</sup> out of all applicants			
• 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**


---

• 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

## TEACHING EXPERIENCE

---

*\* awarded the McGill University Michael Quek Teaching Assistantship Award*

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

*† nominated for the Queen's University Psychology Undergraduate Teaching Award*

### Undergraduate Courses

- PSYC 325 Cognitive Neuroscience <sup>†</sup> | Queen's University W2025, F2025
- PSYC 420 Cognition in the Digital Age | Queen's University W2024

### Workshop Development

- R Summer Camp | McGill University | Attendance: 250 undergraduate & graduate students S2020
- Introduction to R | McGill University | Attendance: 20 graduate students W2016

### Teaching Assistant

- Cognition | Professor: Dr. Nida Latif S2020
- Cognition | Professor: Dr. Signy Sheldon W2020
- Special Topics in Neuropsychology | Professor: Dr. Jelena Ristic F2019
- Cognition | Professor: Dr. Nida Latif S2019
- Statistics for Experimental Design | Professor: Dr. Carl Falk W2019
- Cognitive Development <sup>\*</sup> | Professor: Dr. Kris Onishi F2018
- Research Methods in Psychology <sup>\*\*</sup> | Professor: Dr. Daryl Wilson W2014
- Introductory Psychology | Professors: Dr. Jill Atkinson & Dr. Ingrid Johnsrude S2013
- Introductory Psychology | Professors: Dr. Jill Atkinson & Dr. Ingrid Johnsrude FW2013

## RESEARCH TRAINING

*6 graduate mentorships | 21 honours theses & directed studies | 36 RAs*

---

*\* students who are co-authors on publications*

*\*\* students who were awarded with best poster / talk at conferences*

*† students who were awarded with graduate scholarships*

### Graduate Supervision

- Mridula Srikanth <sup>†</sup> MSc student F2025 - Present
- Aahana Uppal <sup>†</sup> MSc student F2025 - Present

### Undergraduate Supervision

- Leila Belhis PSYC501 Honours thesis F2025 - Present
- Aleah Williamson PSYC501 Honours thesis F2024 - Present
- Udit Chauhan PSYC299 Directed research course F2025 - Present
- Ty Popelas PSYC299 Directed research course & RA S2025 - Present
- Vishakha Desai RA S2025 - Present

• Izabela Veljkovic	RA	S2025 - Present
• Dilara Sanli	RA	W2025 - Present
• Charlotte Siller	PSYC299 Directed research course & RA	W2025 - Present
• Emma Jamieson	PSYC299 Directed research course	W2025
• Jocelyne Harling	PSYC501 Honours thesis	F2024 - W2025
• Mridula Srikanth	PSYC501 Honours thesis	F2024 - W2025
• Yvonne Pelau	PSYC575 Directed research course & RA	F2024 - W2025
• Ryan Thompson	PSYC570 Directed research course & RA	F2024 - W2025
• Aleah Williamson	PSYC570 Directed research course & RA	F2024 - W2025
• Maddison De Beaupre	PSYC570 Directed research course & RA	F2024 - Present
• Selina Chalmers	RA	F2024 - Present
• Paige Babb	RA	W2025
• Julia Wang	RA	W2025
• Angelina Liu	RA	F2024

#### Undergraduate Fellowship Supervision

• Madhumita Rajagopal	SWEP student	S2025
• Nicole Hernandez	SWEP student	S2025
• Isabella Persad	NSERC USRA student	S2025

#### Staff Supervision

• Nicole Hernandez	Programmer	F2025 - Present
• Jocelyne Harling	Lab coordinator	F2025 - Present
• Madhumita Rajagopal	Lab coordinator	F2024 - W2025

#### Co-supervision & Mentorship (*with Dr. Daniel Smilek*)

• Samantha Ayers-Glassey <sup>*,†</sup> , Allison Drody <sup>*,†</sup> , Alyssa Smith <sup>*,†</sup>	PhD students	F2020 - S2025
• Zion Leatham	MSc student	F2021 - S2023
• Jackie Heitzner <sup>*</sup>	Directed research course	W2023
• Kudrat Singh, Vanessa Goodman, Enes Bal, Joshua Leung, Joyce Park <sup>*</sup> , Katherine Guo, Amy Wang, Chantal Trudel <sup>†</sup> , Nicole Stuart <sup>*</sup> , Salone Verma	RAs	F2020 - F2023

#### Co-supervision & Mentorship (*with Dr. Jelena Ristic*)

• Julia Fuoco, Yongyao Li	Honours theses	F2017 - W2019
• Jacqueline Brown, Iman Lahouaoula	Honours theses	F2016 - W2017
• Nicole Ahn, Mona Li, Yun Lu	Honours theses	F2015 - W2016
• Lauri Gurguryan <sup>*,†</sup> , Jessica Michelin, Kathleen Stewart	Honours theses	F2014 - W2015
• Chloe Muller	Directed research course	F2019 - W2020

## CV

Effie J. Pereira

- Rachel Markham \* Directed research course F2016 - W2017
- Olivia Larson \*\* Directed research course F2015 - W2016
- Amrita Sandhu, Jessica Haight, Abigail Jakus, Juliette Ryan-Lortie, Moataz Salim, Soraya Afara, Cynthia Larche, Erica Brossard, Shannon Harrington, Jenna Morris, Krysten Stadel, Anjali Pandey, Eleanor Milman, Lovisa Ljungberg, ManLu Liu RAs F2014 - S2020

### Co-supervision & Mentorship (*with Dr. Monica Castelbano*)

- Harrison Ritz, Heather Brooks, Keziah Uychocde, Laura Tian, Sasha Usyatynsky, Yu Qing Lin \* RAs F2012 - W2014

## EDITORIAL ACTIVITIES

---

### Editorial Board

- Member | *Canadian Journal of Experimental Psychology* W2023 - 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 Reviewing

- Poster Judge | Brain Awareness Day, *Centre for Neuroscience Studies* S2024
- Neurotechnology Judge | 'Synaptic Hacks' Hackathon, *Simply Neuroscience* F2021

## SERVICE & COMMITTEE MEMBERSHIPS

---

### National

- **Organizing Committee Member** S2023 - Present  
Science Meets Parliament (SMP), Canadian Science Policy Centre
- **Senior Academic Mentor** W2021 - F2024  
Action Potential Advising Program (APAP), Simply Neuroscience
- **Session Moderator** S2021  
Canadian Society for Brain, Behaviour, and Cognitive Science (CSBBCS)
- **Departmental Representative** F2015 - S2016  
Canadian Society for Brain, Behaviour, and Cognitive Science (CSBBCS)

Departmental

- **Undergraduate Committee** S2024 - Present  
Department of Psychology, Queen's University
- **Library Representative** S2024 - Present  
Department of Psychology, Queen's University
- **Graduate Student Representative & Graduate Handbook Member** F2019 - W2020  
Department of Psychology, McGill University
- **Graduate Program Quantitative Specialization Workgroup Member** F2018 - S2019  
Department of Psychology, McGill University
- **Graduate Student Representative & Grievance Subcommittee Member** F2015 - S2017  
Department of Psychology, McGill University
- **Hebb Colloquia Series Committee Member** F2015 - S2017  
Department of Psychology, McGill University
- **Cognitive Neuroscience Representative** F2012 - S2014  
Association of Graduate Students in Psychology (AGSIP), Queen's University

Thesis Examination Committees

- |                          |                            |                 |
|--------------------------|----------------------------|-----------------|
| • Eliana Brehaut         | PhD Clinical               | S2025 - Present |
| • Jaspreet Dodd          | MSc CNS                    | S2025 - Present |
| • Tristan De Cotiis      | MSc Cognitive Neuroscience | F2024 - Present |
| • Riley Bonar            | MSc Developmental          | F2024 - Present |
| • Rachel Pitman          | MSc Cognitive Neuroscience | F2024 - Present |
| • Silvia Shiwei Zhou     | MSc Cognitive Neuroscience | S2024 - Present |
| • Tavneen Sandhu         | MSc CNS                    | S2024 - Present |
| • Ruth Stanley-Blackwell | MSc Social                 | S2024 - S2025   |
| • Aaron Ruberto          | MSc Cognitive Neuroscience | S2024 - F2024   |
| • Ruien Wang             | MSc Cognitive Neuroscience | S2024 - F2024   |

Graduate Comprehensive Examination Committees

- |                    |                            |       |
|--------------------|----------------------------|-------|
| • Ruien Wang       | MSc Cognitive Neuroscience | S2025 |
| • Hannah Lum Smith | MSc Cognitive Neuroscience | S2025 |

**WORK EXPERIENCE**

- **Science Communication Editor** | Department of Psychology  
McGill University, Montreal, Canada F2014 - F2021
- **Graphic Designer** | School of Computer Science  
McGill University, Montreal, Canada W2020 - F2020

- **Technical Research Intern** | SR Research  
Ottawa, Canada S2018 - Jun 2019
- **Software Programmer** | Adolescent Dynamics Laboratory  
Queen's University, Kingston, Canada F2012 - S2014
- **Research Associate** | Cognition in Psychological Disorders Laboratory  
Queen's University, Kingston, Canada F2011 - S2014
- **Lab Manager & Research Associate** | Visual Cognition Laboratory  
Queen's University, Kingston, Canada F2008 - S2012
- **Clinical Research Associate** | Sleep Disorders Laboratory  
Kingston General Hospital, Kingston, Canada F2008 - S2012

## PROFESSIONAL DEVELOPMENT & TRAINING

---

- CenterStat Multilevel Models for Hierarchical Data Workshop F2023
- UC Davis ERP Boot Camp S2023
- CenterStat Intensive Longitudinal Data Workshop S2023
- CenterStat Mixture Modeling & Latent Class Analysis Workshop S2023
- CenterStat Structural Equation Modeling Workshop S2021
- UC Davis ERP Decoding Bootcamp S2020
- IVADO / MILA Deep Learning School F2019
- Mouse-tracking Workshop S2019
- Machine Learning for the Cognitive Neurosciences Workshop F2018
- Resting-state & Brain Connectivity Workshop F2018
- The Virtual Brain Workshop F2018
- Brainstorm EEG Workshop S2018
- MATLAB Neuroscience Workshop F2017
- Workshop on Nonlinear Dynamic Methods S2017
- Kavli Summer Institute in Cognitive Science S2015
- R Programming Workshop S2015

## PROFESSIONAL AFFILIATIONS

---

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

## TECHNICAL EXPERTISE

---

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