

# Effie J. Pereira

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<https://effiejpereira.github.io>

## RESEARCH AREAS OF INTEREST

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Attentional Dynamics | Temporal Factors | Motivational Influences | Social Setting  
Environmental Contexts | Computational Analysis | Ecological Design

## ACADEMIC POSITIONS

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

## EDUCATION & TRAINING

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- **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

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

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*student trainees are underlined*

- 1) **Pereira, E. J.\***, Ayers-Glassey, S.\*, Wammes, J. D., & Smilek, D. (2023). Attention in hindsight: Using stimulated recall to capture dynamic fluctuations in attentional engagement. *Behavior Research Methods*, 1-32.  
*\* 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: Attention to attractive faces dissociates across covert and overt measures.

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: The interactive layers of influence that drive volitional 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) Ayers-Glassey, S., **Pereira, E. J.**, & Smilek, D. Framing attention: Retrospective attentional states are stable across attentional engagement and mind wandering. *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.**, 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) **Pereira, E. J.**, Kingstone, A., & Smilek, D. Attentional allocation during impression formation. *Status: data collection.*
- 11) 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) | 15 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., & Castelhamo, 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., & Castelhamo, 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. & Castelhamo, 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. & Castelhamo, 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., Castelhamo, 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. & Castelhamo, 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 & Lectures

- 1) **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.
- 2) **Pereira, E. J.** (Feb 2024). *Finding the "I" in attention*. Talk, Connected Minds Research Retreat, Toronto, ON.
- 3) **Pereira, E. J.** (Mar 2021). *Characterizing temporal fluctuations in mind wandering & attentional states*. Talk, Correlats Subjectifs Laboratory Group, Paris, France.
- 4) **Pereira, E. J.** (Sep 2020). *Methods in Cognitive Neuroscience*. Guest Lecture, Special Topics in Neuropsychology, McGill University, Montreal, QC.
- 5) **Pereira, E. J.** (May 2020). *As the Mind Wanders: Studying internal attention in cognitive psychology*. Guest Lecture, Cognition, McGill University, Montreal, QC.
- 6) **Pereira, E. J.** (Nov 2019). *The Neuropsychology of Mind Wandering*. Guest Lecture, Special Topics in Neuropsychology, McGill University, Montreal, QC.
- 7) **Pereira, E. J.** (Jun 2019). *The Wandering Mind: Where your attention goes when you are not looking*. Guest Lecture, Cognition, McGill University, Montreal, QC.
- 8) **Pereira, E. J.** (Jan 2019). *Oscillatory patterns of mind wandering predict real-world costs & benefits*. Talk, Graduate Student Colloquium, McGill University, Montreal, QC.

- 9) **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.
- 10) **Pereira, E. J.** (Nov 2018). *Conceptualizing social attention in cognitive developmental research*. Guest Lecture, Cognitive Development, McGill University, Montreal, QC.
- 11) **Pereira, E. J.** (Aug 2018). *Oscillatory patterns of mind wandering predict real-world costs & benefits*. Talk, Symposium on Nonlinear Dynamics, Montreal, QC.
- 12) **Pereira, E. J.** (Oct 2017). *Applying to Graduate School*. Guest Lecture, Psychology Honours Research Seminar, McGill University, Montreal, QC.
- 13) **Pereira, E. J.** (Mar 2017). *Applying to Graduate School*. Guest Lecture, Psychology Honours Seminar, McGill University, 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.
- 15) **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

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- 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?*

## RESEARCH FUNDING

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### Active Grants

- NSERC Discovery Grant *PI* Under Review  
*Uncovering the mechanisms that drive the temporal dynamics of selective attention*
- NSERC Research Tools & Instruments Grant *Co-PI* Under Review  
*Neuroimaging equipment for investigating primate brain structure and function*
- Queen's University *PI* \$158,000 2024 - 2027  
*Research Initiation Grant*

### Prior Funding

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

## AWARDS AND HONOURS

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- CSPC Science Meets Parliament Delegate *National* 2023
- J. Frank Yates Student Conference Award *International* \$1,000 2020
- Post-Graduate Student Society Travel Award *Institutional* \$1,000 2020
- Mendelson Travel Award *Institutional* \$300 2020
- CFREF Healthy Brains for Healthy Lives, Entrance Scholarship for IVADO / MILA Deep Learning School *Institutional* \$500 2019
- CSBBCS Hebb Student Award, Runner-up for Best Oral Presentation *International* \$100 2019
- CFREF Healthy Brains for Healthy Lives, Best Oral Presentation *Institutional* \$500 2019
- Michael Quek Teaching Assistantship Award *Institutional* \$50 2019
- APA Division 3 Society for Experimental Psychology & Cognitive Science, Most Outstanding Empirical Paper *International* 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

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### Course Instructor

- PSYC 420 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

### 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*

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### Graduate Co-Supervision

- Allison Drody\*, 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

## CV

Effie J. Pereira

- 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 Uychoode, 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

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### 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

- **Organizing 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

## WORK EXPERIENCE

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

## 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 Neuro – Queen’s | 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