

Laura Batterink, Ph.D.

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Academic Positions

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| 2018-present | Assistant Professor, Department of Psychology, Western Institute for Neuroscience, Western University, Canada |
| 2013-2018 | Postdoctoral Fellow, Department of Psychology, Northwestern University
Advisors: Drs. Ken Paller & Paul Reber |

Education

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| 2007-2012 | Ph.D., Cognitive Neuroscience, University of Oregon
Dissertation: Implicit and explicit neural mechanisms supporting language processing
Advisor: Dr. Helen Neville |
| 2003-2007 | B.A., Neuroscience, Middlebury College
Advisor: Dr. Matthew Kimble |

Research Interests

I am interested in the neural basis of language acquisition, learning and memory, sleep-dependent memory consolidation, conscious awareness, and many other aspects of cognition.

Grant Support

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| 2023-2027 | Mitacs Canada Accelerate (Partner Organization: Ezotec)
<i>Effect of far infrared reflecting clothing on sleep physiology and sleep-dependent memory consolidation in healthy adults</i>
Funding for postdoctoral intern: \$180,000 CAD (\$60,000/year)
Role: Principal Applicant and Academic Supervisor |
| 2022-2027 | National Institute of Child Health and Human Development (NICHD), National Institutes of Health.
<i>FX ENTRAIN: Perturbation of neurodynamics underlying sensory hyperarousal and statistical learning in Youth with FXS</i> . RO1 HD108222-01A1.
Recommended for funding pending final budgetary approval (IMPACT Score 29; 12 th percentile)
Role: Collaborator (PI: Dr. Ernie Pedapati)
Total award amount: \$3,940,190 USD; \$77,185 USD to Western |

- 2021-2025 Social Sciences and Humanities Research Council (SSHRC) Insight Grant
Harnessing implicit statistical learning to boost second language acquisition in adult learners
Role: Principal Investigator
Award Amount: \$209,906 CAD
- 2019-2024 Natural Sciences and Engineering Research Council of Canada (NSERC)
Insights into statistical learning from neural entrainment
Role: Principal Investigator
Award Amount: \$165,000 CAD

Completed:

- 2020 Natural Sciences and Engineering Research Council of Canada (NSERC)
Research Tools and Instruments (RTI)
EEG Equipment for Studies of Sleep and Cognition
Role: Principal Investigator (Co-Applicants: Stojanoski, Owen, Grahn, Joanisse, Muller)
Award Amount: \$149,920 CAD
- 2020-2021 BrainsCAN Accelerator Stimulus Grant
Multisensory stimuli and virtual navigation tasks during intracranial clinical recordings
Role: Co-Investigator (PI: Dr. Lyle Muller)
Award Amount: \$98,500 CAD
- 2020 Western Strategic Support for SSHRC Success
Harnessing implicit statistical learning to boost second language acquisition in adult learners
Role: Principal Investigator
Award Amount: \$25,000 CAD
- 2019 Natural Sciences and Engineering Research Council of Canada (NSERC)
Discovery Launch Supplement
Insights into statistical learning from neural entrainment
Role: Principal Investigator
Award Amount: \$12,500 CAD
- 2019 Western Strategic Support for NSERC Success
The role of neural entrainment in statistical learning
Role: Principal Investigator
Award Amount: \$25,000 CAD
- 2019 Western Social Sciences Faculty Research Development Fund Travel Grant
Award Amount: \$2500 CAD

Honours and Awards

- 2022 Invited Membership to the Memory Disorders Research Society
- 2018 Association for Psychological Science Rising Star Award
- 2014-2016 National Institutes of Health F32 National Research Service Award (NRSA).
Statistical learning, memory systems, and sleep-based memory consolidation.
NIH F32 HD 078223.

- 2013-2014 National Institutes of Health T32 Training Program in the Neuroscience of Human Cognition, Postdoctoral Training Award, Northwestern University. NIH T32 NS 47987.
- 2011 Henry V. Howe Scholarship, University of Oregon
- 2007 B.A. awarded summa cum laude, Middlebury College
- 2007 Elected to Phi Beta Kappa, Middlebury College

Publications

Trainees under my direct supervision (at the time of the project) are indicated with an underline.

27. Alexander, E., Van Hedger, S.C., & **Batterink, L. J.** (in press). Learning words without trying: Daily second language podcasts support word form learning in adults. *Psychonomic Bulletin and Review*.
26. Moreau, C.N., Joanisse, M. F., Mulgrew, J. & **Batterink, L.J.** (2022). No statistical learning advantage in children over adults: Evidence from behavior and neural entrainment. *Developmental Cognitive Neuroscience*, 57, 101154.
25. **Batterink, L.J.** & Zhang, S. (2022). Simple statistical regularities presented during sleep are detected but not retained. *Neuropsychologia*, 164, 108106.
24. Van Hedger, S.C., Johnsruide, I.S., & **Batterink, L.J.** (2022). Musical instrument familiarity affects statistical learning of tone sequences. *Cognition*, 218, 104949.
23. Moser, J., **Batterink, L.J.**, Henger, Y.L., Schleger, F., Braun, C., Paller, K. A., & Priessl, H. (2021). Dynamics of non-linguistic statistical learning: From neural entrainment to the emergence of explicit knowledge. *NeuroImage*, 240, 118378,
22. **Batterink, L.J.** & Choi, D. (2021). Optimizing steady-state responses to index statistical learning: Response to Benjamin and colleagues. *Cortex*, 142, 379-388.
21. Choi, D.,* **Batterink, L.***, Black, A.K., Paller, K.A. & Werker, J.F. (2020). Preverbal infants discover statistical word patterns at similar rates as adults: Evidence from neural entrainment. *Psychological Science*, 31, 1161-1183. *authors contributed equally
20. **Batterink, L.J.** (2020). Syllables in sync form a link: Neural phase-locking reflects word knowledge during language learning. *Journal of Cognitive Neuroscience*, 32, 1735-1748.
19. **Batterink, L.** & Paller, K. A. (2019). Statistical learning of speech regularities can occur outside of focused attention. *Cortex*, 115, 56-71.
18. **Batterink, L.**, Paller, K.A. & Reber, P.J. (2019). Understanding the neural bases of statistical and implicit learning. *Topics in Cognitive Science*, 11, 482-503. Part of Special Issue "Two Approaches, One Phenomenon: Aligning Implicit Learning and Statistical Learning."
17. **Batterink, L.**, Westerberg, C. E. & Paller, K. A. (2017). Vocabulary learning benefits from REM after slow-wave sleep. *Neurobiology of Learning and Memory*, 144, 102-113.
16. **Batterink, L.** (2017). Rapid statistical learning supporting word extraction from continuous speech. *Psychological Science*, 28, 921-928.

15. **Batterink, L., & Paller, K. A. (2017).** Online neural monitoring of statistical learning. *Cortex*, *90*, 31-45.
14. **Batterink, L. & Paller, K. A. (2017).** Sleep-based memory processing facilitates grammatical generalization: Evidence from targeted memory reactivation. *Brain and Language*, *167*, 83-93. Special Issue on Sleep and Language Learning.
13. **Batterink, L., Cheng, L., & Paller, K. A. (2016).** Neural measures reveal implicit learning during language processing. *Journal of Cognitive Neuroscience*, *28*, 1636-1649.
12. **Batterink, L., Creery, J. D., & Paller, K. A. (2016).** Phase of spontaneous slow oscillations during sleep influences memory-related processing of auditory cues. *Journal of Neuroscience*, *36*, 1401-1409.
11. **Batterink, L., Reber, P. J., & Paller, K. A. (2015).** Functional differences between statistical learning with and without explicit training. *Learning and Memory*, *22*, 544-556.
10. **Batterink, L., Reber, P. J., Neville, H., & Paller, K.A. (2015).** Implicit and explicit contributions to statistical learning. *Journal of Memory and Language*, *83*, 62-78.
9. **Batterink, L., Oudiette, D., Reber, P. J., & Paller, K. A. (2014).** Sleep facilitates learning a new linguistic rule. *Neuropsychologia*, *65*, 169-179.
8. **Batterink, L. & Neville, H. (2014).** ERPs recorded during early second language exposure predict syntactic learning. *Journal of Cognitive Neuroscience*, *26*, 2005-2020.
7. **Batterink, L. & Neville, H. (2013).** The human brain processes syntax in the absence of conscious awareness. *Journal of Neuroscience*, *33*, 8528-8533.
6. **Batterink, L. & Neville, H. (2013).** Implicit and explicit second language training recruit common neural mechanisms for syntactic processing. *Journal of Cognitive Neuroscience*, *25*, 936-951.
5. **Batterink, L., Karns, C.M., & Neville, H. (2012).** Dissociable mechanisms supporting awareness: The P300 and gamma in a linguistic attentional blink task. *Cerebral Cortex*, *22*, 2733-2744.
4. Kimble, O.M, **Batterink, L.**, Marks, E., Ross, C., & Fleming, K. (2012). Negative expectancies in posttraumatic stress disorder: Neurophysiological (N400) and behavioral evidence. *Journal of Psychiatric Research*, *46*, 849-855.
3. **Batterink, L., & Neville, H. (2011).** Implicit and explicit mechanisms of word learning in a narrative context: An event-related potential study. *Journal of Cognitive Neuroscience*, *23*, 3181-3196.
2. **Batterink, L., Spoor, S., & Stice, E. (2010).** Body mass correlates inversely with inhibitory control in response to food in adolescent girls: An fMRI study. *NeuroImage*, *52*, 1696-1703.
1. **Batterink, L., Karns, C. M., Yamada, Y., & Neville, H. (2010).** The role of awareness in semantic and syntactic processing: An ERP attentional blink study. *Journal of Cognitive Neuroscience*, *22*, 2514-2529.

Manuscripts Under Review

1. Wang, H.S., Rosenbaum, R.S., Baker, S., Lauzon, C., **Batterink, L.J.*** & Kohler, S.* (accepted pending revision). Dentate gyrus integrity is essential for behavioural pattern separation but not statistical learning. *Journal of Cognitive Neuroscience*. *authors are co-PIs of this work
2. Van Hedger, S.C., Winspear, M., & **Batterink, L.J.** (revision in preparation). Talker variability facilitates the statistical learning of speech sounds.
3. **Batterink, L.J.** & Mulgrew, J. (revision in preparation). Rhythmic modulation of linguistic statistical learning through continuous visual stimulation.
4. Newton, A.T., Tremblay, P.F., **Batterink, L.J.** & Reid, G.J. (revision in preparation). Early nap cessation as a predictor of language and psychosocial outcomes: Evidence from a large Canadian sample.
5. Newton, A.T., Tremblay, P.F., **Batterink, L.J.** & Reid, G.J. (under review). Predictors of early nap cessation: Longitudinal findings from a large study of young children.
6. Wang, H.S., Kohler, S.*, & **Batterink, L.J.*** (under review). Separate but not independent: Behavioral pattern separation and statistical learning are differentially affected by aging. *authors are co-PIs of this work.

Manuscripts In Preparation (draft complete)

1. Berger, S. & **Batterink, L.J.** (in preparation). Children outperform adults in the implicit learning of a novel linguistic rule.
2. Harimohan, A., Hollywood, S., Owen, A., Stojanoski, B. & **Batterink, L.J.** (in preparation). Intact semantic processing of a continuous narrative during sleep

Book Chapters and Reviews

2. Reber, P. J., **Batterink, L. J.**, Thompson, K. R. & Reuveni, B. (2017). Implicit Learning: History and Applications. In *Implicit Learning* (Ed. A. Cleeremans), Psychology Press.
1. **Batterink, L.** & Paller, K.A. (2016). Picking up patterns in language. *Psychological Science Agenda: APA Science Brief*.

Invited Talks and Oral Presentations

1. **Batterink, L.** (2022). Statistical learning mechanisms support initial word form learning in a natural second language context. Oral presentation, *Interdisciplinary Advances in Statistical Learning*, San Sebastian, Spain.
2. **Batterink, L.** (2022; delivered virtually). Learning language without trying: Probing the brain's ability to extract linguistic patterns outside of awareness. Invited talk, *Psychological Science Seminar*, Department of Psychology, Ryerson University

3. **Batterink, L.** (2021; delivered virtually). Implicit learning, language acquisition and their meeting point. Invited talk, *Mind, Technology and Society Series*, Cognitive and Information Science Department, University of California Merced
4. **Batterink, L.** (2020; delivered virtually, in-person conference cancelled due to COVID-19). Interactive effects of slow-wave and REM sleep on grammar and vocabulary learning. Part of Symposium, *Sleep and consolidation during language learning. Meeting of the Society for the Neurobiology of Language.*
5. **Batterink, L.** (2020; delivered virtually, in-person conference cancelled due to COVID-19). Invited speaker, Symposium, *Statistical learning and development. 42nd Annual Meeting of the Cognitive Science Society.*
6. **Batterink, L.** (2020; delivered virtually, in-person conference cancelled due to COVID-19). Keynote Talk, *Interdisciplinary Approaches in the Language Sciences.* Max Planck Institute for Psycholinguistics, Nijmegen, the Netherlands.
7. **Batterink, L.** (2019). Insights into statistical learning from EEG-based neural entrainment. Invited talk, *Language Science: The Next Generation.* Montreal, QC.
8. **Batterink, L.** (2019). Can statistical learning occur during sleep? Oral presentation, *International Sleep Replay Workshop (ISRW)*, Evanston, IL.
9. **Batterink, L.** (2019). Novel insights into statistical learning from EEG-based neural entrainment. Oral presentation, *Interdisciplinary Advances in Statistical Learning*, San Sebastian, Spain.
10. **Batterink, L.** (2019). Insights into statistical learning from EEG-based neural entrainment. Invited talk, Department of Psychology & Neuroscience Colloquium Series, Dalhousie University, Halifax.
11. **Batterink, L.** (2018). Insights into statistical learning from EEG-based neural entrainment. Invited talk, *Cognitive Neuroscience of Second and Artificial Language Learning*, Bangor, UK.
12. **Batterink, L.** (2018). Contributions of memory processing during sleep to rule generalization in language. Oral Presentation. In G. Gaskell & J. Mirkovic (Chairs), *Generalization in language and memory. Symposium, Psychonomics*, New Orleans.
13. **Batterink, L.** (2018). Implicit learning, language acquisition, and their meeting point. Invited talk, *Ebbinghaus Empire Series*, Department of Psychology, University of Toronto.
14. **Batterink, L., Choi, D., Black, A., Paller, K.A., & Werker, J.F.** (2018). Tracking the time course of statistical learning in pre-lingual infants: Online evidence from neural entrainment. Oral presentation, *The Bilingual Brain: A Lifelong Perspective* (Satellite Conference of Society for the Neurobiology of Language), Quebec City.
15. **Batterink, L. & Paller, K. A.** (2017). Rhythmic EEG entrainment indexes statistical learning. Oral Presentation. In E. Vogel & E. Awh (Chairs), *Tracking attention and learning through time and space.* Symposium, *Midwestern Psychological Association*, Chicago.
16. **Batterink, L.** (2016). Implicit and explicit memory contributions to language. Invited Talk, *Talks in Linguistics Series*, University of Illinois, Chicago.

17. **Batterink, L.** & Paller, K. A. (2016). Tracking sensitivity to stimulus sequence structure with a neural measure during learning. Oral presentation, *Fifth Implicit Learning Seminar*, Lancaster, UK.
18. **Batterink, L.**, Reber, P. & Paller, K.A. (2015). Functional differences between statistical learning with and without explicit training. Oral presentation, *International Conference on Interdisciplinary Advances in Statistical Learning*, San Sebastian, Spain.

Invited talks unable to deliver:

19. **Batterink, L.** (scheduled for March 2020; cancelled due to COVID-19). Invited Talk, Symposium session "Sleep and the Boundaries of Consciousness." *Japanese-Canadian Frontiers of Science Symposium*, Banff, Canada.
20. **Batterink, L.** (scheduled for April 2020; cancelled due to COVID-19). Invited Talk, Symposium co-organized by the Center for Language Science and Center for Language Acquisition, Pennsylvania State University, University Park, PA.
21. **Batterink, L.** (scheduled for February 2022; cancelled due to Omicron wave). Invited Keynote Talk, *Lake Ontario Visionary Establishment (L.O.V.E.) conference*, Niagara Falls, ON.

Forthcoming:

22. **Batterink, L.** Invited Talk (to be delivered virtually). Mind and Matter Talks, University of Helsinki.

Conference Poster Presentations (2019-present)

Trainees under my direct supervision (at the time of the project) are indicated with an underline.

1. Harimohan, A., Hollywood, S., Owen, A., Stojanoski, B. & **Batterink, L.** (2022). Intact semantic processing of a continuous narrative story during sleep. *Meeting of the Society for the Neurobiology of Language*, Philadelphia, PA.
2. Sweet, S., Van Hedger, S., & **Batterink, L.J.** (2022). Investigating the role of language-specific mechanisms in statistical learning. *Inspiring Diversity in STEM conference*, Western University, London, ON.
3. Wang, H., Rosenbaum, S., Baker, S., Kohler, S. & Batterink, L. (2022). Separate but not independent: mnemonic discrimination and statistical learning are differentially affected by aging. Rotman Research Institute, *Aging and the Brain: Sensory and Cognitive Interactions in the Aging Brain (virtual)*.
4. Harimohan, A., Hollywood, S., Owen, A., Stojanoski, B. & **Batterink, L.** (2022). Intact semantic processing of a continuous narrative story during sleep. *Meeting of the Cognitive Neuroscience Society*, San Francisco, CA.
5. Reyes, S., Van Hedger, S., & **Batterink, L.J.** (2022). Top-down attention and statistical learning of speech. *Meeting of the Cognitive Neuroscience Society*, San Francisco, CA.
6. Berger, S. & Batterink, L.J. (2022) Developmental differences in the consolidation of linguistic regularities during sleep. *Meeting of the Cognitive Neuroscience Society*, San Francisco, CA.

7. Wang, H., Rosenbaum, S., Baker, S., **Batterink, L.***, & Kohler, S.* (2022). Dentate gyrus integrity is essential for mnemonic discrimination by not statistical learning. *Meeting of the Cognitive Neuroscience Society*, San Francisco, CA. *authors are co-PIs
8. Reyes, S., Van Hedger, S., & **Batterink, L.J.** (2021) The influence of top-down attention on statistical learning of speech using an EEG measure of neural entrainment. *Meeting of the Cognitive Neuroscience Society (virtual)*.
9. Mulgrew, J. & **Batterink, L.J.** (2021). The role of neural entrainment in statistical learning. *Meeting of the Cognitive Neuroscience Society (virtual)*.
10. Harimohan, A. & **Batterink, L.J.** (2021). Understanding neural signals of memory consolidation during sleep. *Meeting of the Cognitive Neuroscience Society (virtual)*.
11. Berger, S. & **Batterink, L. J.** (2021). The role of sleep in learning linguistic regularities in children versus adults. *Meeting of the Cognitive Neuroscience Society (virtual)*.
12. Van Hedger, S.C., Johnsrude, I.S., & **Batterink, L.J.** (2020). Prior real-world experience influences non-linguistic statistical learning. *Annual Meeting of the Psychonomic Society, (virtual)*
13. Reyes, S., Van Hedger, S., & **Batterink, L.J.** (2020) The influence of top-down attention on statistical learning of speech using an EEG measure of neural entrainment. *Meeting of the Society for the Neurobiology of Language (virtual)*.
14. Abugaber, D., Morgan-Short, K., & **Batterink, L. J.** (2020). Bias-Corrected Reaction Time Analyses Corroborate Findings of Implicit Grammar Learning in an Artificial Language. *Association for Psychological Science Annual Convention*, Chicago, IL.
15. Hopper, J.W., **Batterink, L.J.**, Grahn, J.A. (2019). Does musical stimulation during slow-wave sleep potentiate slow oscillations and associated declarative memory performance? *Rhythm Production and Perception Workshop*, Traverse City, MI.
16. Moreau, C., Joanisse, M., **Batterink, L.**, Liesemer, K. & Child, I. (2019). Statistical learning and how it relates to language and reading abilities: An EEG study. Poster presentation, *Canadian Society for Brain, Behaviour and Cognitive Science*, Waterloo, ON.
17. Moreau, C., Joanisse, M., **Batterink, L.**, Liesemer, K. & Child, I. (2019). Statistical learning and how it relates to language and reading abilities: An EEG study. Poster presentation, *Developmental Research Day*, London, ON.
18. Moreau, C., Liesemer, K. & Child, I., **Batterink, L.**, & Joanisse, M. (2019). A look at statistical language learning and how it relates to the emergence of language and reading disorders. Poster presentation, *Research Special Interest Group Research Day*, Niagara Falls, ON.
19. Moreau, C., Joanisse, M., & **Batterink, L.** (2019). Statistical learning across visual and auditory modalities. Poster presented at Lake Ontario Visionary Establishment (LOVE) conference, Niagara Falls, ON.

Teaching Experience

Courses Taught

- 2019-2022 Neuropsychology and Cognitive Neuroscience (PSYCH 3224A/B)
Western University
- 2020-2022 Research in the Psychology of Language (PSYCH 3184F)
Western University
- 2013 Cognition (PSY 435/535)
University of Oregon

Guest Lectures

- 2022 *Cognitive, Developmental and Brain Sciences Proseminar*
Western University
- 2018 *Cognitive, Developmental and Brain Sciences Proseminar*
Western University
- 2015 *Human Memory*
Northwestern University
- 2014 *Brain Damage and the Mind*
Northwestern University
- 2013 *Advanced Cognitive Neuroscience*
University of Oregon
- 2012 *Advanced Cognitive Neuroscience*
University of Oregon

Teaching Assistantships

- 2012 Graduate Teaching Fellow, *Music and the Brain*
University of Oregon
- 2012 Graduate Teaching Fellow, *Neuroscience & Inequality*
University of Oregon
- 2011 Graduate Teaching Fellow, *Biopsychology*
University of Oregon
- 2009 Graduate Teaching Fellow, *Statistical Methods*
University of Oregon

Student Supervision (All at Western University unless noted otherwise)

Postdoctoral Fellows:

- Priya Kalra (2021-), *co-supervised with Drs. Paul Minda & Marc Joanisse*
- *BrainsCAN Postdoctoral Award (2021-2023)*
- Melissa Troyer (2020-2021), *co-supervised with Drs. Ken McRae & Marc Joanisse*
- *BrainsCAN Postdoctoral Award (2019-2021)*
- Stephen Van Hedger (2018-2020), *co-supervised with Dr. Ingrid Johnsrude*

- *BrainsCAN Postdoctoral Award Tier I (2018-2021)*

Graduate Students:

Rae Hoepfner (2022-)

Amiya Aggarwal (2022-)

Daniela Chavez (2022-), *co-supervised with Dr. Stefan Kohler*

Jerrica Mulgrew (2018-)

- *NSERC Canada Graduate Scholarship-Masters Award (2019-2020)*
- *Ontario Graduate Scholarship (2020-2021)*

Justin Hopper (2018-2022), *co-supervised with Dr. Jessica Grahm*

Ashwin Harimohan (2019-)

Stacey Reyes (2019-)

Helena Wang (2020-), *co-supervised with Dr. Stefan Kohler*

Sarah Berger (2020-2022)

- *Ontario Graduate Scholarship (2020-2021)*

Honours Thesis Students:

Daisy Li (2022-2023)

- *BrainsCAN Diversity in Neuroscience Internship (2022)*

Nataliya Bovey (2022-2023)

Alex Jairam (2021-2022)

Aspen Leung (2021-2022)

- *Western Undergraduate Student Research Internship (2022)*

Sierra Sweet (2021-2022)

- *Canadian Psychological Association Certificate of Academic Excellence (2022)*
 - *Awarded to the best three undergraduate theses in Psychology at Western*
- *Western Undergraduate Student Research Internship (2022)*
- *NSERC Undergraduate Student Research Award (2021)*
- *Runner-up award in Psychology, IDSTEM Conference*
- *Oral presentation runner-up, Western Student Research Conference, 2022*

Kexin Tang (2020-2021)

Elise Alexander (2020-2021)

- *Western Undergraduate Student Research Internship (2021)*
- *NSERC Undergraduate Student Research Award (2020)*

Steven Zhang (2019-2020)

- *NSERC Undergraduate Student Research Award (2019)*
- *Thesis recognized as Highly Commended entrant, Global Undergraduate Awards, 2020*

Amanat Ludhar (2019-2020)

- *Thesis recognized as Highly Commended entrant, Global Undergraduate Awards, 2020*

Mykayla Winspear (2019-2020)

Kailee Liesemer (2018-2019)

- *Thesis recognized as Highly Commended entrant, Global Undergraduate*

Awards, 2019

Isabel Child (2018-2019)

Frances Planke (2018-2019)

Graduate Advisory Committee:

Iris van der Mulp (2022-), Doctoral Committee (Utrecht University)

Emma Neto (2021-), Master's Committee, Psychology Program

Mansoure Jahanian (2021-), Master's Committee, Neuroscience Program

Kara Hannah (2021-), Doctoral Committee, Psychology Program

Chloe Henry (2021-), Master's Committee, Neuroscience Program

Madeline Slack (2021-), Master's Committee, Psychology Program

Christine Moreau (2021-), Doctoral Committee, Psychology Program

Bruno Mesquita (2020-), Master's Committee, Neuroscience Program

Sarah Bobbitt (2020-2022), Master's Committee, Neuroscience Program

Pauline Palma (2020), Doctoral Comprehensive Exam Committee (McGill University)

Marina De Oliveira (2020-), Master's Committee, Psychology Program

Kaitlyn Parks (2020-), Doctoral Committee, Psychology Program

Claudia Morales (2019-2021), Master's Committee, Psychology Program

Monique Chatterton (2019-2021), Master's Committee, Neuroscience Program

David Abugaber (2019-2022), Doctoral Committee (University of Illinois Chicago)

Adam Newton (2019-), Doctoral Committee

Tianshu Zhu (2019-), Doctoral Committee

Claudia Morales (2019-2021), Master's Committee

Kara Hannah (2018-2020), Master's Committee

Sarah Hollywood (2018-2020), Master's Committee

Aymee Alvarez (2018-2020), Master's Committee

Graduate Examination Committee

Katarina McKenzie (2022), Comprehensive Examination Committee

Sarah Bobbitt (2022), Masters Examination Committee

Haopei Yang (2022), Doctoral Examination Committee

Sukyung Kim (2022), Doctoral Examination Committee (Dept. of Education, UWO)

David Abugaber (2022), Doctoral Examination Committee (University of Illinois Chicago)

Emma Schmicke (2022), Doctoral Examination Committee (University of Queensland)

Geoff Laforge (2022), Doctoral Examination Committee

Reebal Rafeh (2022), Comprehensive Examination Committee

Ladan Shahshahan (2021), Comprehensive Examination Committee

Tahereh Karami (2021), Comprehensive Examination Committee

Bailey Brashears (2021), Comprehensive Examination Committee

Nicola Popp (2021), Doctoral Examination Committee

Eva Berlot (2021), Doctoral Examination Committee

Claudia Morales (2021), Masters Examination Committee

Madeline Crichton (2021), Masters Examination Committee

Leah Brainin (2020), Comprehensive Examination Committee

Kara Hannah (2020), Masters Examination Committee
 Evan Houldin (2019), Doctoral Examination Committee
 Aaron Gibbings (2019), Doctoral Examination Committee
 Kaitlyn Parks (2019), Masters Examination Committee
 Leah Brainin (2019), Masters Examination Committee
 Sabrina Ford (2019), Masters Examination Committee
 Dimitrios Palidis (2019), Comprehensive Exam
 Ana Cecilia Ruiz Pardo (2019), Comprehensive Exam
 Valerie Valderrama (2015-2016), Audiology Capstone Project (Northwestern University)
 Kelsey Thompson (2015), Qualification Exam (Northwestern University)

Service and Scientific Organizations

2023	<i>Canadian Journal of Experimental Psychology</i> (CJEP) Editorial Board
2022-current	Workload and Resource Planning Committee Department of Psychology, Western University
2022-current	Colloquium Committee, faculty chair Department of Psychology, Western University
2021-current	Western Brain and Mind Steering Committee Western University
2020-2021	Annual Performance and Evaluation Committee Department of Psychology, Western University
2021	Brain and Mind Electrophysiology Laboratory Coordinator Hiring Committee Western University
2021	Western Institute for Neuroscience (WIN) Clinical Research/Postdoctoral Fellowship Review Panel, Western University
2019-2021	Space and Facilities Executive Committee Department of Psychology, Western University
2019-2022	Application Reviewer, Canada Graduate Scholarships – Masters (CGS-M) Department of Psychology, Western University
2019-current	Member of BrainsCan Special Initiatives Review Panel Brain and Mind Institute, Western University
2020	Member of BrainsCan Accelerator Program Review Panel Brain and Mind Institute, Western University
2019-2020	Application Reviewer, Canada Graduate Scholarships – Doctoral (CGS-D) Department of Psychology, Western University
2020	Application Reviewer, Ontario Graduate Scholarships Department of Psychology, Western University
2019	Chair, Hiring Committee, BrainsCAN EEG Lab Coordinator Parental Leave Cover Western University

2018-current	Co-supervisor, BrainsCAN EEG Lab Coordinator Western University
2018-2019	Member of Scientific Program Committee Association for the Scientific Study of Consciousness, London, Canada
2018-2019	Member of Local Organizing Committee Association for the Scientific Study of Consciousness, London, Canada
2018	Member of BrainsCan Accelerator Program Review Panel Brain and Mind Institute, Western University
2018	Judge, SciNapse Undergraduate Science Case Competition Western University
2018	Member of Review Committee American Association of Applied Linguistics, Atlanta, USA
2018	Member of Review Committee Cognitive Neuroscience of Second and Artificial Language Learning (CoNSALL), Bangor, UK
2017	Member of Review Committee Architectures and Mechanisms of Language Processing (AMLaP), Lancaster, UK
2016	Member of Scientific Program Committee Fifth Implicit Learning Seminar, Lancaster, UK

Granting Agency Reviewing

2021	Riksbankens Jubileumsfond Competition (Sweden)
2021	NSERC Discovery Grant Competition
2019	SSHRC Insight Grant Competition
2019	Austrian Academy of Sciences, Doctoral Fellowship Programme

Ad Hoc Reviewing

I review an average of 10-12 new submissions per year.

Annals of the New York Academy of Sciences; Applied Psycholinguistics; Brain Research; Brain Research; Cerebral Cortex; Child Development; Cognition; Cognitive Neuroscience; Cognitive Science; Cognition; Cortex; Developmental Science; ELife; Experimental Brain Research; Journal of Cognitive Neuroscience; Journal of Experimental Child Psychology; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Memory and Language; Journal of Neuroscience; Language and Linguistics Compass; Language Learning; Learning and Memory; Memory and Cognition; Nature Reviews Psychology; Neurobiology of Learning and Memory; NeuroImage; Neuropsychologia; Philosophical Transactions B; PLOS ONE; Psychological Science; Psychonomic Bulletin and

Reivew; Psychophysiology; Scientific Reports; Sleep; Trends in Cognitive Sciences; Topics in Cognitive Science

Professional Affiliations

Cognitive Neuroscience Society
Society for Neuroscience

Society for the Neurobiology of Language