

## Sarah Henderson

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2025-present Postdoctoral fellow  
The University of Texas at Austin  
Memory and Aging Lab  
PI: Dr. Audrey Duarte

### FORMAL EDUCATION

2020-2024 Doctor of Philosophy Psychology  
Brock University  
Supervisor: Dr. Karen Campbell  
Dissertation title: *Aging and event segmentation.*

2018-2020 Master of Arts Psychology  
Brock University  
Supervisor: Dr. Karen Campbell  
Thesis title: *Alpha suppression as a neural marker of task demands in voluntary vs involuntary retrieval in older and younger adults*

2014-2018 Bachelor of Science Biology and Psychology (Honours)  
First Class Standing  
Brock University  
Supervisor: Dr. Karen Campbell  
Thesis title: *Age differences in the neural underpinnings of voluntary vs involuntary memory retrieval*

### ACADEMIC DISTINCTIONS AND AWARDS

2023 Wendy Murphy Memorial Award  
2022 Rotman Research Institute Virtual Conference Poster Award  
2021 Dean of Graduate Studies Excellence Scholarship  
2020 Annual Fund Graduate Award  
2020 Dean of Graduate Studies Entrance Scholarship  
2020 Dean of Graduate Studies Excellence Scholarship  
2020 Distinguished Graduate Student Award  
2019 Dean of Graduate Studies Excellence Scholarship  
2019 Faculty of Social Sciences Scholarly Conference Presentation  
Travel Award  
2018 Dean of Graduate Studies Excellence Scholarship  
2018 Dean of Graduate Studies Entrance Scholarship  
2018 Canadian Psychological Association Certificate of Academic Excellence  
2018 Top 75 Finalist NSERC's Science Action! Video Contest  
2018 Brock University Dean's Honour List  
2017 Brock University Entrance Scholarship Renewal  
2017 Brock University Dean's Honour Roll

2016	Brock University Entrance Scholarship Renewal
2016	Brock University Dean's Honour Roll
2015	Brock University Entrance Scholarship Renewal
2015	Brock University Dean's Honour Roll
2014	Brock University Entrance Scholarship

## FUNDING

### EXTERNAL FUNDING

2023	NSERC: CGS – Michael Smith Foreign Study Supplement Supporting work with Dr. Linda Geerligs at Radboud University	\$6,000.00
2021-2024	NSERC: CGS Doctoral	\$105,000.00
2021	Ontario Graduate Scholarship Award (Declined)	\$15,000.00
2020	Ontario Graduate Scholarship Award	\$15,000.00
2019	Alexander Graham Bell Canada Graduate Scholarship Masters	\$17,500.00
2019	Ontario Graduate Scholarship Award (Declined)	\$15,000.00
2018	Ontario Graduate Scholarship Award	\$15,000.00
2017	NSERC Undergraduate Student Research Award	\$5,625.00

### INTERNAL FUNDING

2023	Faculty of Social Science Research Assistantship	\$5,000.00
2018	Match of Minds	\$5,000.00

## RESEARCH ACTIVITIES

### PUBLICATIONS

#### Peer-reviewed works

**Henderson, S. E.**, Oetringer, D., Geerligs, L., Campbell, K. L. (accepted). Neural state changes during movie watching relate to episodic memory in younger and older adults. *Cerebral Cortex*.

Fenerci, C., Davis, E. E., **Henderson, S. E.**, Campbell, K. L., Sheldon, S. (2024). Shift happens: aging alters the content and organization of memory for complex memories. *Aging Neuropsychology and Cognition*.

**Henderson, S. E.**, Ryan, A. D., Attack, L. W., Campbell, K. L. (2024). Model-based mind wandering in older adults: Age differences in the behavioural and electrophysiological correlates of subjective and objective measures of mind wandering. *Journal of Cognitive Neuroscience*.

**Henderson, S. E.**, Campbell, K. L. (2023). Reduced distinctiveness of event boundaries in older adults with poor memory performance. *Psychology and Aging*.

**Henderson, S.E.**, Hall, S.A, Callegari, J.M., Desjardins, J.A., Segalowitz, S.J., Campbell, K.L. (2021). Increased alpha suppression with age during involuntary memory retrieval. *Psychophysiology*.

**Henderson, S. E.**, Lockhart, H. A., Davis, E. E., Emrich, S. M., & Campbell, K. L. (2020). Reduced attentional control in older adults leads to deficits in flexible prioritization of visual working memory. *Brain Sciences*, 10, 542.

Manuscripts in preparation and under review

Oettringer, D., **Henderson, S. E.**, Gözükar, D., Güçlü, U., Geerligs, L. (under review). Temporal propagation of neural state boundaries in naturalistic context.

## CONFERENCES

### Oral presentations

**Henderson, S. E.** (2025, February). *Aging and event cognition*. Texas Aging and Longevity Consortium. Austin, TX, USA.

**Henderson, S. E.**, (2022, November). *Event boundary perception and episodic memory for films in older and younger adults*. Brock University BREWTAPS Presentation Series. St. Catharines, ON, Canada.

**Henderson, S. E.**, Campbell, K. L. (2022, May). *Event boundary perception and episodic memory for films in older and younger adults*. Toronto Area Memory Group 2022. Toronto, ON, Canada.

**Henderson, S. E.** (2022, February). *Developing Tools to Understand and Reduce Episodic Memory Decline in Older Adults*. Brock University's 3<sup>rd</sup> Annual Women in STEM Event. Online.

**Henderson, S. E.**, Lockhart, H. A., Davis, E. E., Emrich, S. M., & Campbell, K. L. (2021, June). *Reduced attentional control in older adults leads to deficits in flexible prioritization of visual working memory*. Visual Working Memory Symposium 2021. Online.

**Henderson, S.E.**, Callegari, J., Desjardins, J.A., Segalowitz, S.J., Campbell, K.L. (2019, September). *Oscillatory effects of intention to retrieve in older and younger adults*. Brock University BREWTAPS Presentation Series. St. Catharines, ON, Canada.

**Henderson, S. E.**, Callegari, J., Desjardins, J. A., Hall, S., Segalowitz, S. J., & Campbell, K. L. (2018, May). *Age differences in the neural underpinnings of voluntary vs involuntary memory retrieval*. Paper presented at the 48th meeting of the Ontario Psychology Undergraduate Thesis Conference, Toronto, Ontario, Canada.

### Poster presentations

**Henderson, S. E.**, Oettringer, D., Geerligs, L., Campbell, K. L. (2025, March). *Neural state changes during movie watching relate to episodic memory in younger and older adults*. 32<sup>nd</sup> Annual Meeting of the Cognitive Neuroscience Society. Boston, MA, USA.

**Henderson, S. E.**, Oettringer, D., Geerligs, L., Campbell, K. L. (2025, February). *Neural state changes during movie watching relate to episodic memory in younger and older adults*. Dallas Aging and Cognition Conference. Dallas, TX, USA.

**Henderson, S. E.**, D'Angelo, S., Campbell, K. L. (2024, November). *Event tagging: A novel technique to remediate age differences in event memory*. 65<sup>th</sup> Annual Meeting of the Psychonomic Society. New York, NY, USA.

**Henderson, S. E.,** Ryan, A. D., Campbell, K. L. (2024, April). *Task-related-interference in older adults: Electrophysiological correlates of on- and off-task thoughts*. 31<sup>st</sup> Annual Meeting of the Cognitive Neuroscience Society, Toronto, Ontario, Canada.

**Henderson, S. E.,** Ryan, A. D., Campbell, K. L. (2023, November). *Task-related-interference in older adults: Electrophysiological correlates of on- and off-task thoughts*. 64<sup>th</sup> Annual Meeting of the Psychonomic Society. San Francisco, CA, USA.

**Henderson, S. E.,** Campbell, K. L. (2022, April). *Event boundary perception and episodic memory for films in older and younger adults*. Cognitive Aging Conference 2022. Atlanta, GA, USA.

**Henderson, S. E.,** Campbell, K. L. (2022, March). *Event boundary perception and episodic memory for films in older and younger adults*. Rotman Research Institute Virtual Conference. Online. \*recipient of 2022 Rotman Research Institute Virtual Conference Poster Award\*

**Henderson, S. E.,** Ryan, A. D., Campbell, K. L. (2020, May). *Task-related-interference in older adults: Exploring on- and off-task thoughts*. 15th Annual Mapping New Knowledges Conference. St. Catharines, ON, Canada. (Conference canceled)

**Henderson, S. E.,** Lockhart, H. A., Davis, E. E., Emrich, S. M., & Campbell, K. L. (2020, February). *Reduced attentional control in older adults leads to deficits in flexible prioritization of visual working memory*. 49<sup>th</sup> Annual Lake Ontario Visionary Establishment (L.O.V.E.) Conference. Niagara Falls, ON, Canada.

**Henderson, S. E.,** Callegari, J., Desjardins, J. A., Hall, S., Segalowitz, S. J., & Campbell, K. L. (2019, February). *Age differences in the neural underpinnings of voluntary vs involuntary memory retrieval*. 48<sup>th</sup> Annual Lake Ontario Visionary Establishment Conference, Niagara Falls, Ontario, Canada.

**Henderson, S. E.,** Callegari, J., Desjardins, J. A., Hall, S., Segalowitz, S. J., & Campbell, K. L. (2019, March). *Age differences in the neural underpinnings of voluntary vs involuntary memory retrieval*. 26<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, San Francisco, California, United States.

## TEACHING ACTIVITIES

### TEACHING ASSISTANTSHIPS

Sept-Dec. 2023	PSYC 3P06	Cognitive Neuroscience
Sept-Dec. 2023	PSYC 2P12	Lifespan Development (Course Coordinator)
Jan.-Apr. 2023	PSYC 4P20	Applied Cognitive Psychology
Jan.-Apr. 2023	PSYC 3P19	Psychology of Aging
Sept.-Dec. 2021	PSYC 2P12	Lifespan Development (Course Coordinator)
Jan.-Apr. 2021	PSYC 2P12	Lifespan Development
Sept.-Dec. 2020	PSYC 2P49	Perception
Jan.-Apr. 2020	PSYC 2P49	Perception
Sept.-Dec. 2019	PSYC 3P38	Motivation and Emotion
Jan.-Apr. 2019	PSYC 2P20	Cognition
Sept.-Dec. 2018	PSYC 2P12	Lifespan Development
Sept.-Dec. 2017	PSYC 2P12	Lifespan Development
Sept.-Apr. 2016-2017	PSYC 1F90	Introduction to Psychology

## PROFESSIONAL DEVELOPMENT

2021	Statistical Parametric Mapping for MEG/EEG University College London
2019	Lifespan Centre Knowledge Mobilization Workshop Brock University
2018	5 <sup>th</sup> Annual SHARCNet: EEG Analysis Workshop Brock University

## OTHER SCHOLARLY ACTIVITIES

### RESEARCH ASSISTANTSHIPS

2017	Social Justice Lab Volunteer Research Assistant Supervisor: Dr. Carolyn Hafer
2016	Behavioural, Developmental, and Social Neuroscience Lab Volunteer Research Assistant Supervisor: Dr. Cheryl McCormick

### PRESENTATIONS

November 2023	Cognitive Neuroscience: Event Cognition and Aging Guest Lecture Brock University
April 2023	Lifespan Development Focus Area Research Seminar Research Presentation Brock University
February 2023	Psychology of Aging: Memory Guest Lecture Brock University
September 2021	Behavioural and Cognitive Neuroscience Focus Area Research Seminar Research Presentation Brock University
October 2020	Behavioural and Cognitive Neuroscience Focus Area Research Seminar Research Presentation Brock University
September 2019	Behavioural and Cognitive Neuroscience Focus Area Research Seminar Research Presentation Brock University
March 2019	Behavioural and Cognitive Neuroscience Focus Area Research Seminar Research Presentation Brock University

### MEMBERSHIPS

2022-2024	Brock University Lifespan Institute Student Member
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2021-Present	Psychonomic Society
2018-Present	Cognitive Neuroscience Society

## **SERVICE ACTIVITIES**

### **ACADEMIC**

2022-2023	Brock University Department of Psychology Graduate Student Representative
2023	Lake Ontario Visionary Establishment Conference Student Volunteer
2022	Lake Ontario Visionary Establishment Conference Student Volunteer

### **COMMUNITY SERVICE**

2018-2024	Therapy Dog Team Volunteer and Group Leader Therapeutic Paws of Canada, Niagara
2016-2019	Big Brothers Big Sisters: Go Girls Group Program Leader BBBS of Niagara
2017-2018	Therapy Dog Team Volunteer St. Johns Ambulance, Niagara
2016	Big Brothers Big Sisters: One on One Mentor BBBS of Niagara
2015-2016	Youth Soccer Coach Georgetown Soccer Club