**ALLISON E. NICKEL, Ph.D.**

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| **Academic History** |

2020-present Postdoctoral Research Associate in Psychology and Neuroscience, Baylor University, Waco, TX, Advisor: Michael Scullin

2011-2020 Doctor of Philosophy in Experimental Psychology - Neuroscience, University of Wisconsin-Milwaukee, Milwaukee, WI, Advisor: Deborah Hannula

2011-2014 Master of Science in Experimental Psychology - Neuroscience, University of Wisconsin-Milwaukee, Milwaukee, WI, Advisor: Deborah Hannula

2006-2011 Bachelor of Science Liberal Arts in Chemistry & Psychology, University of Wisconsin-River Falls, River Falls, Wisconsin, Advisor: Lisa Kroutil

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| **Honors, Awards and Fellowships** |

2019-2020 R1 Advanced Opportunity Program Fellowship Recipient, University of Wisconsin-Milwaukee, Milwaukee, WI

2015 Department of Psychology Summer Research Fellowship Recipient, University of Wisconsin-Milwaukee, Milwaukee, WI

2014-2017 Advanced Opportunity Program Fellowship Recipient, University of Wisconsin-Milwaukee, Milwaukee, WI

2014 Annual Meeting of the Psychonomics Society, Early Career Award Finalist**,** Executive Board of APA’s Division 3Long Beach, CA

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| **Publications** |

**Nickel, Allison E.**, Minor, Greta N., Hopkins, Lauren S., Hannula, Deborah E. (in prep).
Influence of Category Membership and Encoding History on Attention Capture.

**Nickel, Allison E.**, Minor, Greta N., Hopkins, Lauren S., Hannula, Deborah E. (2020). Episodic Long-Term Memories Capture Attention Disproportionately in the Presence of Retrieval Cues. *Cognition, 201,* 104312*.*

**Nickel, Allison E.**, Henke, Katharina, & Hannula, Deborah E. (2015). Relational memory is evident in eye movement behavior despite use of subliminal testing methods. *PLoS One, 10*(10), e0141677*.*

Hannula, Deborah E., Tranel, Daniel, Allen, John S., Kirchhoff, Brenda A., **Nickel, Allison E.**, & Cohen, Neal J. (2015). Memory for items and for relationships among items embedded in realistic scenes: Disproportionate relational memory impairments in amnesia. *Neuropsychology, 29*(1), 126-138.

Mahoney, Elaine J.\*, **Nickel, Allison E.**\*, Hannula, Deborah E. (2015). Recognition. In: James D. Wright (Eds.), *International Encyclopedia of the Social & Behavioral Sciences* (2nd ed., Vol. 20, pp. 37–43). Oxford: Elsevier. \* denotes equal contribution.

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| **Presentations (Poster and Oral)** |

Miskimen, Tessa L., Hopkins, Lauren S., **Nickel, Allison E.**, Helmstetter, Fred J., & Hannula, Deborah E. (2019). *Materials Associated with Aversive Value Capture Attention.* Poster presented at 11th Annual UWM Undergraduate Research Symposium, 2019, Milwaukee, WI

**Nickel, Allison E.**, Minor, Greta N., Hannula, Deborah E. (2019). *Behavioral and Neural Mechanisms of Attention Capture by Episodic Long-Term Memory.* Oral presentation at annual AGSIP symposium, 2019, Milwaukee, WI

**Nickel, Allison E.**, Minor, Greta N., Hannula, Deborah E. (2018). *Saccade Latency as an Index of Covert Capture by Episodic Memory.* Poster presented at Psychonomic Society Meeting 2018, New Orleans, LA

Miskimen, Tessa L., Hopkins, Lauren S., **Nickel, Allison E.**, Blujus, Jenna K., Helmstetter, Fred J., & Hannula, Deborah E. (2018). *Does Oculomotor Capture by a Fear Conditioned Stimulus Depend on Contingency Awareness?* Poster presented at 10th Annual UWM Undergraduate Research Symposium, 2018, Milwaukee, WI

**Nickel, Allison E.**, Hopkins, Lauren S., Hannula, Deborah E. (2018). *The Effects of Category Membership and Encoding History on Attention Capture.* Oral presentation at annual AGSIP symposium, 2018, Milwaukee, WI

Mahoney, Elaine J., **Nickel, Allison E.**, Hannula Deborah E. (2018). *Identifying New Targets for Detecting Memory Malingering: Insights from a Combined fMRI and Eye Tracking Investigation.* Presentation at International Neuropsychological Society Meeting, 2018, Washington, DC

Hoelter, Joshua L., **Nickel, Allison E.**, & Hannula, Deborah E. (2017). *Long-term Memories Capture Attention Following Retrieval Cues, but only When They are Actively Represented*. Poster presented at 58th annual conference of Psychonomic Society, 2017, Vancouver, BC, Canada.

**Nickel, Allison E.**, Hopkins, Lauren S., Hannula, Deborah E. (2017). *Influence of Category Membership and Encoding History on Attention Capture.* Oral presentation at annual AGSIP symposium, 2017, Milwaukee, WI

**Nickel, Allison E.**, Hopkins, Lauren S., Hannula, Deborah E. (2017). *Influence of Category Membership and Encoding History on Attention Capture.* Poster presented at UW-Milwaukee Neuroscience mini-symposium, 2016, Milwaukee, WI

**Nickel, Allison E.**, Hopkins, Lauren S., Hannula, Deborah E. (2016). *Influence of Category Membership and Encoding History on Attention Capture.* Poster presented at Psychonomic Society Meeting 2016, Boston, MA

**Nickel, Allison E.**, Hopkins, Lauren S., Hannula, Deborah E. (2016). *Episodic Long-Term Memories Capture Attention Disproportionately in the Presence of Retrieval Cues.* Poster presented at Vision Sciences Society Meeting 2016, St. Pete Beach, FL

Krueger, Josephine R., **Nickel, Allison E.**, Hannula, Deborah E. (2016). *Long-Term Memories Capture Attention.* Poster presented at 8th Annual UWM Undergraduate Research Symposium, 2016, Milwaukee, WI

**Nickel, Allison E.**, Hopkins, Lauren S., Hannula, Deborah E. (2016). *Episodic Long-Term Memories Capture Attention Disproportionately in the Presence of Retrieval Cues.* Oral presentation at annual AGSIP symposium, 2017, Milwaukee, WI

**Nickel, Allison E.**, Hopkins, Lauren S., Hannula, Deborah E. (2016). *Episodic Long-Term Memories Capture Attention Disproportionately in the Presence of Retrieval Cues.* Poster presented at UW-Milwaukee Neuroscience mini-symposium, 2016, Milwaukee, WI

**Nickel, Allison E.**, Hopkins, Lauren S., Hannula, Deborah E. (2016). *Episodic Long-Term Memories Capture Attention Disproportionately in the Presence of Retrieval Cues.* Oral presentation for UW-Milwaukee Neuroscience mini-symposium, 2016, Milwaukee, WI

**Nickel, Allison E.**, Henke, Katharina, Hannula, Deborah E. (2014). *Relational Memories are Evident in Eye Movement Behavior Following Subliminal Memory Cues.* Poster presented at Psychonomic Society Meeting 2014, Long Beach, CA

**Nickel, Allison E.**, Henke, Katharina, Hannula, Deborah E. (2014). *Relational Memories are Evident in Eye Movement Behavior Following Subliminal Memory Cues.* Oral presentation for UWM Neuroscience Seminar Series 2014, Milwaukee, WI

**Nickel, Allison E.**, Henke, Katharina, Hannula, Deborah E. (2014). *Relational Memory Expression Following Subliminal Presentations of Retrieval Cues.* Poster presented at Society for Neuroscience Milwaukee Chapter Meeting 2014, Milwaukee, WI

Le Veque, Jeremy F., **Nickel, Allison E.**, Hannula, Deborah E. (2013). *Eye-Movement-Based Relational Memory Effects Precede Explicit Deadline-Based Recognition Responses.* Poster presented at Society for Neuroscience Milwaukee Chapter Meeting 2013, Milwaukee, WI

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| **Teaching Assistantships** |

2019 Grader (Psych 101/Instructor: Peter Lenz, Psych 319/Instructors: Caroline Engler & Kristen Payne, Psych 555/Instructor: Gary Stark, Psych 627/Instructor: Deborah Hannula)

2018 Grader (Psych 101/Instructor: Sarah Kienzler, Psych 101/Instructor: Peter Lenz, Psych 319/Instructors: Caroline Engler & Kristen Payne, Psych 454/Instructor: Krista Lisdahl)

Cognitive Neuroscience (Psych 627/727/Instructor: Deborah Hannula)

 Research Methods (Psych 325/Instructor: Peter Lenz)

2017 Physiological Psychology (Psych 254/Instructor: James Moyer)

2016 Freshman Psychology Seminar Guest Lecturer (Psych 193/Instructor: Deborah Hannula)

2016 Visual Cognition Guest Lecturer (Psych 611/711/Instructor: Deborah Hannula)

2013-2015 Experimental Social Psychology (Psych 677/Instructor: Pamela Schaefer)

2012 Psychology of Women (Psych 320/Instructor: Pamela Schaefer) Developmental Child Psychology (Psych 260/Instructor: Kelly Janke)

2011 Developmental Child Psychology (Psych 260/Instructor: Hobart Davies)

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| **Current Research** |

* Attention Capture Studies
	+ Attention Capture by Fear Conditioned Stimuli (PIs: Deborah Hannula, Fred Helmstetter)

Examines whether or not previously learned associations between a previous neutral stimulus and an aversive stimulus (i.e., shock) draw attention away from the instructed goal. Uses overt and covert measures.

* + Attention Capture by Long-Term Memories (PI: Deborah Hannula)

Task examines whether previously studied items or items from previously studied categories draw attention away from the instructed task. Uses overt and covert measures.

* + Attention Capture by Long-Term Relational Memories (PI: Deborah Hannula)

Examines whether or not previously learned associations draw attention away from the instructed goal. Uses overt and covert measures.

* + Eye Tracking Investigations of Long-Term Memory and Attention (PI: Deborah Hannula)

Collection of studies designed to investigate whether and under what circumstances learned associations or materials can capture attention and slow down or disrupt goal-directed behavior.

* Recognition Memory
	+ Effect of Recognition on Indirect Measures of Memory (PI: Deborah Hannula)

Collection of studied designed to investigate the effects of concealing memory on eye-movement based memory effects. Was combined with fMRI techniques to investigate neural correlates of these effects.

* + Eye Tracking Investigations of Picture Recognition (PI: Deborah Hannula)

Task was designed to investigate memory for items and memory for relationships between items. Used implicit and explicit measures.

* + Eye Tracking Investigations of Visual Processing and Attention (PI: Deborah Hannula)

Investigated whether processing of a subliminal memory cue could trigger retrieval of previously encoded associations. Used implicit and explicit measures.

* + Eye Tracking and Deadline-Based Investigation of Memory (PI: Deborah Hannula)

Examined memory in the presence and absence of explicit recognition. Used implicit and explicit measures.

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| **Professional Memberships** |

2014-present Psychonomic Society

2016-present Vision Sciences Society

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| **Community Outreach** |

2019-2020 Mentored an Undergraduate SERA Awardee, University of Wisconsin-Milwaukee, Milwaukee, WI

2017-2018 Mentored an Undergraduate SURF Awardee, University of Wisconsin-Milwaukee, Milwaukee, WI

2016-2017 Go Milwaukee: Science Day for Milwaukee Public School Students, University of Wisconsin-Milwaukee, Milwaukee, WI

2016 Lab Tour for Franklin High School Psychology Club, University of Wisconsin-Milwaukee, Milwaukee, WI

2015-2018 Lab Tours for UWM Psychology Day, University of Wisconsin-Milwaukee, Milwaukee, WI

2015-2018 Future Success: Science Day for Underprivileged Milwaukee Public School Students, University of Wisconsin-Milwaukee, Milwaukee, WI

2014-2015 Mentored an Undergraduate SURF Awardee, University of Wisconsin-Milwaukee, Milwaukee, WI

2013-2019 Volunteer for Meet Milwaukee: A Campus Preview for High School Students 1-2 times a semester, University of Wisconsin-Milwaukee, Milwaukee, WI

2013-2016 Upward Bound: Science Day for Underprivileged Milwaukee Public School Students, University of Wisconsin-Milwaukee, Milwaukee, WI