# Matthew K. Robison

Assistant Professor | Department of Psychology | University of Notre Dame

## CONTACT:

mrobison@nd.edu

(574) 631-1264

E390 Corbett Family Hall

Notre Dame, IN 46556

## EDUCATION:

| | |
|---|---|
| 2018 | Ph.D., Psychology |
| | *University of Oregon* |
| 2015 | M.S., Psychology |
| | *University of Oregon* |
| 2013 | B.B.A., Management-Entrepreneurship, Psychology (*cum laude*) |
| | *University of Notre Dame* |

## PROFESSIONAL APPOINTMENTS:

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|---|---|
| 2024 - | Assistant Professor |
| | *Department of Psychology* |
| | *University of Notre Dame* |
| 2020 – 2024 | Assistant Professor |
| | *Department of Psychology* |
| | *The University of Texas at Arlington* |
| 2018 – 2020 | Postdoctoral Researcher |
| | *Memory and Attention Control Laboratory* |
| | *Arizona State University* |

## EXTRAMURAL RESEARCH FUNDING:

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|---|---|
| 2026 – 2029 | **Anticipating Attentional Failures during Program Comprehension** |
| (Pending) | *Agency:* National Science Foundation |
| | *Amount*: $744,101 |
| | *Role*: Co-Principal Investigator (Co-PI: Collin McMillan) |
| 2025 – 2028 | **Visual gaze training for the improvement of cognitive performance** |
| | *Agency:* Office of Naval Research (N00014-25-1-2305) |
| | *Amount*: $604,709 |

*Role*: Principal Investigator

2023 – 2026 **Measuring change in the relations amongst cognitive, health, and socioemotional factors at the single-subject level and improving prediction of critical outcomes**

*Agency:* Army Research Institute (W911NF-23-1-0300)

*Amount*: $1,707,828

*Role:* Co-Principal Investigator (Co-PIs Gene A. Brewer & Holly O-Rourke)

2022 – 2026 **Using cognitive offloading to mitigate age-related declines in prospective memory**

*Agency:* National Institutes of Health (R16GM146705)

*Amount:* $770,000

*Role:* Co-Investigator (PI: B. Hunter Ball)

2024 **Improving technical capabilities and expanding capacities of eye-tracking equipment for psychophysiological research**

Agency: Office of Naval Research (N00014-23-1-2731)

Amount: $171,570

Role: Principal Investigator

2022 – 2024 **Behavioral and physiological indicators of vigilance and cognitive fatigue**

*Agency*: U.S. Naval Research Laboratory (N00173-22-2-C006)

*Amount*: $325,000

*Role*: Principal Investigator

**INTRAMURAL RESEARCH FUNDING:**

2025 – 2026 **The sports travel disadvantage: Untangling the effects of circadian rhythm disruption and sleep loss on athletic and cognitive performance**

*Program:* Human Performance and Wellness Research Grant Competition (Notre Dame)

*Amount:* $89,580

*Role:* Co-Investigator (PI: Ivan Vargas)

2023 – 2024 **The effect of transcranial photobiomodulation on indices of neurocognitive and physiological health in middle-aged non-Hispanic Black individuals**

*Program:* Interdisciplinary Research Program (UT-Arlington)

*Amount:* $20,000

*Role:* Co-Investigator (PI: Robert Brothers)

2022 – 2023 **Leveraging multimodal biometric sensing to detect and correct attention and memory failures**

*Program:* Interdisciplinary Research Program (UT-Arlington)

*Amount:* Co-Investigator (PI: Robert Brothers)

*Role:* Principal Investigator

2019 **Low-cost eye-tracking equipment for psychological research**

*Program:* Cialdini Leap Forward Fund (Arizona State University)

*Amount*: $7,500

*Role*: Co-Investigator

## HONORS AND AWARDS:

2023, 2024 *Champion of Experiential Learning* (Division of Student Affairs, UT-Arlington)

2022 Summer Faculty Research Fellowship ($16,500; Office of Naval Research)

2023 Summer Faculty Research Fellowship ($16,500; Office of Naval Research)

2024 Summer Faculty Research Fellowship ($16,500; Office of Naval Research)

2017 General University Scholarship ($3,000; University of Oregon)

2016 Clarence and Lucille Dunbar Scholarship ($2,000; University of Oregon)

2015 Graduate Travel Award ($1,000; Psychonomic Society)

2014 Clarence and Lucille Dunbar Scholarship ($2,500; University of Oregon)

2012 Undergraduate Research Opportunity Program ($4,500; Notre Dame)

## PEER-REVIEWED PUBLICATIONS:

Total publications = 70

Google scholar metrics: total citations = 4,053; h-index = 30, i10-index = 54

[+]denotes mentored undergraduate student co-author

[*]denotes mentored graduate student co-author

Campbell, S.* & **Robison, M. K.** (2026). Examining working memory precision estimates as an individual difference. *Journal of Experimental Psychology: Learning, Memory, and Cognition.*

Campbell, S.,* Celaya, X. C., Torres, A. S., Brewer, G. A., & **Robison, M. K.** (In press). A combined experimental/individual differences examination of the influence of motivation on cognitive ability assessments. *Memory & Cognition.*

Garner, L. D.,* & **Robison, M. K.** (2026). To what extent do cognitive abilities, conscientiousness, and physical activity predict academic performance? *Acta Psychologica, 262,* 106097.

**Robison, M. K.,** Campbell, S.,* Garner, L. D.,* Sibley, C. M., & Coyne, J. (In press). A comprehensive psychometrics of cognitive ability measures: Reliability, practice effects, and the stability of latent factor structures across retesting. *Behavior Research Methods.*

**Robison, M. K.,** Garner, L. D.,* & Campbell, S.* (2025). Quiet eyes: Visual gaze stability predicts intra- and interindividual variability in attention control. *Journal of Experimental Psychology: General, 154*(12), 3500 - 3517.

Torres, A. S.[*], **Robison, M. K.,** & Brewer, G. A. (2025). The role of the LC-NE system in attention: From cells, to systems, to sensory-motor control. *Neuroscience & Biobehavioral Reviews*, *175,* 106233.

Garner, L. D.[*], Mohammed, R.[+], & **Robison, M. K.** (2025). Setting specific goals improves cognitive effort, self-efficacy, and sustained attention. *Journal of Experimental Psychology: Human Perception and Performance, 51*(7), 895 – 910.

Unsworth, N., **Robison, M. K.**, & Miller, A. L. (2025). Mobilizing effort to reduce lapses of sustained attention: Examining the effects of content-free cues, feedback, and points. *Cognitive, Affective, & Behavioral Neuroscience, 25*, 631 – 649.

Garner, L. D.*, & **Robison, M. K.** (2025). Individual differences in attention capture, control, and working memory capacity. *Journal of Experimental Psychology: Human Perception and Performance, 51*(2), 243-259.

Ball, B. H., Peper, P., & **Robison, M. K.** (2025). Reminders eliminate age-related declines in prospective memory. *Psychology & Aging, 40*(1), 54-65.

Fernando, T. N., **Robison, M. K.**, & Maia, P. D. (2024). Analysis of goal, feedback and rewards on sustained attention via machine learning. *Frontiers in Behavioral Neuroscience*, *18*, 1386723.

Torres, A. S.,[*] **Robison, M. K.**, McClure, S. M., & Brewer, G. A. (2024). The influence of transcranial direct current stimulation to the trigeminal nerve on attention and arousal. *Cognitive, Affective, & Behavioral Neuroscience*, *24*, 860‑880.

**Robison, M. K.**, Miller, A. L., Wiemers, E., Ellis, D. M., Unsworth, N., Redick, T. R., & Brewer, G. A. (2024). What makes working memory work? A multifaceted account of the predictive power of working memory capacity. *Journal of Experimental Psychology: General*, *153*(9), 2193‑2215. [Named an Editor's Choice article by the American Psychological Association]

**Robison, M. K.**, & Garner, L. D.* (2024). Pupillary correlates of individual differences in *n*-back task performance. *Attention, Perception, & Psychophysics, 86*, 799 - 807.

**Robison, M. K.**, Celaya, X. C., Ball, B. H., & Brewer, G. A. (2024). Task sequencing does not systematically affect the factor structure of cognitive abilities. *Psychonomic Bulletin & Review*, *31*, 670 - 685.

Strayer, D. L., **Robison, M. K.**, & Unsworth, N. (2024). Effects of goal-setting on sustained attention and attention lapses. *Attention, Perception, & Psychophysics*, *86*, 1594 – 1608.

Garner, L. D.*, Shuman, J.+, & **Robison, M. K.** (2024). Piece-rate time-based incentives improve sustained attention. *Journal of Applied Research in Memory and Cognition, 13*(3), 342 - 353.

**Robison, M. K.** & Nguyen, B. N.+ (2023). Competition and reward structures nearly eliminate time-on-task performance decrements: Implications for theories of vigilance and mental effort. *Journal of Experimental Psychology: Human Perception and Performance, 49*(9),

1256 ‑1270. [Named an Editor's Choice article by the *American Psychological Association*].

**Robison, M. K.**, Ralph, K. J., Gondoli, D. M., Torres, A., Campbell, S.*, Brewer, G. A., & Gibson, B. S. (2023). Testing locus coeruleus-norepinephrine accounts of working memory, attention control, and fluid intelligence. *Cognitive, Affective, & Behavioral Neuroscience*, *23*, 1014 ‑ 1058.

**Robison, M. K.**, & Campbell, S.* (2023). Baseline pupil diameter does not correlate with fluid intelligence. *Psychonomic Bulletin & Review, 30*, 1988 – 2001.

Unsworth, N., Miller, A. L., & **Robison, M. K.** (2023). Oculometric indicators of individual differences in preparatory control during the antisaccade task. *Journal of Experimental Psychology: Human Perception and Performance*, *49*(2), 159 - 176.

**Robison, M. K.** (2023). Abrupt vs. gradual visual onsets in go/no-go measures of sustained attention. *Attention, Perception, & Psychophysics, 85*, 9 - 22.

Benitez, V. L. & **Robison, M. K.** (2022). Pupillometry as a window into young children' s sustained attention. *Journal of Intelligence, 10*(4), 107. [Named Editor's Choice Article]

Unsworth, N., **Robison, M. K.**, & Miller, A. L. (2022). On the relation between working memory capacity and the antisaccade task. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 48*(10), 1420 - 1447.

**Robison, M. K.**, Coyne, J. T., Sibley, C., Brown, N. L., Neilson, B., & Foroughi, C. (2022). An examination of relations between baseline pupil measures and cognitive abilities. *Psychophysiology*, *59*, e14124.

Unsworth, N., **Robison, M. K.**, & Miller, A. L. (2022). The influence of working memory capacity and lapses of attention for variation in error monitoring. *Cognitive, Affective, & Behavioral Neuroscience, 22*(3), 450-466.

**Robison, M. K.**, Diede, N. T., Nicosia, J., Ball, B. H., & Bugg, J. M. (2022). A multimodal analysis of sustained attention in younger and older adults. *Psychology & Aging, 37*(3), 307-325.

**Robison, M. K.**, Trost, J. M., Schor, D., Gibson, B. S., & Healey, M. K. (2022). Pupillary correlates of individual differences in long-term memory. *Psychonomic Bulletin & Review, 29*, 1355-1366.

**Robison, M. K.**, & Brewer, G. A. (2022). Individual differences in working memory capacity, attention control, fluid intelligence, and pupillary measures of arousal. *Journal of Experimental Psychology: Learning, Memory and Cognition, 48*(9), 1296-1310.

Ball, B. H., **Robison, M. K.**, Coulson, A.,[+] & Brewer, G. A. (2022). Individual differences in disqualifying monitoring underlie false memories across different paradigms. *Memory & Cognition, 50*, 751-764.

**Robison, M. K.**, Obulasetty, M. O.,+ Wingert, K. M., Blais, C., & Brewer, G. A. (2022). The effect of binaural beat stimulation on sustained attention. *Psychological Research*, *86*(3), 808-822.

Unsworth, N., Miller, A. L., & **Robison, M. K.** (2021). No consistent correlation between baseline pupil diameter and cognitive abilities after controlling for confounds−A comment on Tsukahara and Engle (2021). *Cognition*, *215*, 104825.

**Robison, M. K.**, Ellis, D. M., Pitaes, M. M., Karoly, P., & Brewer, G. A. (2021). Acute pain impairs sustained attention. *Journal of Experimental Psychology: Applied*, *27*(3), 563‑577.

Unsworth, N., Miller, A. L., & **Robison, M. K.** (2021). Are individual differences in attention control related to working memory capacity? A latent variable mega-analysis. *Journal of Experimental Psychology: General*, *150*(7), 1332-1357.

Unsworth, N., **Robison, M. K.**, & Miller, A. L. (2021). Individual differences in lapses of attention: A latent variable analysis. *Journal of Experimental Psychology: General*, *150*(7), 1303-1331.

**Robison, M. K.**, Unsworth, N., & Brewer, G. A. (2021). Examining the effects of goal-setting, feedback, and incentives on sustained attention. *Journal of Experimental Psychology: Human Perception and Performance*, *47*(6), 869-891.

Ellis, D.M., **Robison, M. K.**, & Brewer, G. A. (2021). The cognitive underpinnings of multiply-constrained problem-solving. *Journal of Intelligence*, *7*, 9.

Unsworth, N., Miller, A. L., & **Robison, M. K.** (2021). Is working memory capacity related to baseline pupil diameter? *Psychonomic Bulletin & Review*, *28*, 228-237.

Chowdry, M. S. N., Dutta, A., **Robison, M. K.**, Blais, C., Brewer, G. A., & Bliss, D. W. (2020). Deep neural network for visual stimulus-based reaction time. *Sensors*, *20*(21), 6090.

**Robison, M. K.**, & Brewer, G. A. (2020). Individual differences in working memory capacity and the regulation of arousal. *Attention, Perception, & Psychophysics*, *82*, 3273-3290.

**Robison, M. K.**, Miller, A. L., & Unsworth, N. (2020). A multi-faceted approach to understanding individual differences in mind-wandering. *Cognition*, *198*, 104078.

Unsworth, N., Miller, A. L., & **Robison, M. K.** (2020). Individual differences in lapses of sustained attention: Oculometric indicators of intrinsic alertness and preparatory control. *Journal of Experimental Psychology: Human Perception and Performance, 46*(6), 569-592.

Chowdry, M. S. N., Dutta, N., **Robison, M. K.**, Blais, C., Brewer, G. A., & Bliss, D. W. (2020). A generalized model to estimated reaction time corresponding to visual stimulus using single-trial EEG. *42nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society*. Montreal, QC, Canada. Peer-reviewed conference paper.

Unsworth, N., & **Robison, M. K.** (2020). Working memory capacity and sustained attention: A cognitive-energetic perspective. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *46*(1), 77‑103.

Unsworth, N., **Robison, M. K.**, & Miller, A. L. (2019). Individual differences in baseline oculometrics: Examining variation in baseline pupil diameter, spontaneous eye blink rate, and fixation stability. *Cognitive, Affective, & Behavioral Neuroscience*, *19*, 1074‑1093.

Unsworth, N., Miller, A. L., & **Robison, M. K.** (2019). Individual differences in encoding strategies and free recall dynamics. *The Quarterly Journal of Experimental Psychology*, *72*, 2495 - 2508.

**Robison, M. K.**, Miller, A. L., & Unsworth, N. (2019). Examining the effects of probe frequency, response options, and framing within the thought-probe method. *Behavior Research Methods*, *51*, 398 – 408.

**Robison, M. K.**, & Unsworth, N. (2019). Pupillometry tracks fluctuations in working memory performance. *Attention, Perception, & Psychophysics*, *81*, 407 – 419.

Unsworth, N., & **Robison, M. K.** (2018). Tracking mind-wandering and arousal state with pupillometry. *Cognitive, Affective, & Behavioral Neuroscience*, *18*, 638 – 664.

Unsworth, N., **Robison, M. K.**, & Miller, A. L. (2018). Pupillary correlates of fluctuations in sustained attention. *Journal of Cognitive Neuroscience*, *30*, 1241 – 1253.

Adam, K. C. S., **Robison, M. K.**, & Vogel, E. K. (2018). Contralateral delay activity tracks fluctuations in working memory performance. *Journal of Cognitive Neuroscience, 30*, 1229 – 1240.

**Robison, M. K.**, Miller, A. L., & Unsworth, N. (2018). Individual differences in working memory capacity and filtering. *Journal of Experimental Psychology: Human Perception and Performance, 44*(7), 1038 – 1053.

Unsworth, N., & **Robison, M. K.** (2018). Tracking working memory maintenance with pupillometry. Attention, Perception, & Psychophysics, *80*, 461 – 484.

**Robison, M. K.**, & Unsworth, N. (2018). Cognitive and contextual correlates of spontaneous and deliberate mind-wandering. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *44*(1), 85 – 98.

Unsworth, N., & **Robison, M. K.** (2017). The importance of arousal for variation in working memory capacity and attention control: A latent variable pupillometry study. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *43*, 1962 – 1987.

**Robison, M. K.**, & Unsworth, N. (2017). Individual differences in working memory capacity predict learned control over attentional capture. *Journal of Experimental Psychology: Human Perception and Performance, 43*(12), 1912 – 1924.

Unsworth, N. & **Robison, M. K.** (2017). A locus coeruleus-norepinephrine account of individual differences in working memory capacity and attention control. *Psychonomic Bulletin & Review, 24*, 1282 – 1311.

**Robison, M. K.**, & Unsworth, N. (2017). Variation in the use of cues to guide attention in visual working memory. *Attention, Perception, & Psychophysics, 79*, 1652 – 1665.

**Robison, M. K.**, McGuirk, W. P., & Unsworth, N. (2017). No evidence for enhancements to visual working memory with transcranial direct current stimulation to prefrontal or posterior parietal cortices. *Behavioral Neuroscience, 131*(4), 277 – 288.

**Robison, M. K.**, & Unsworth, N. (2017). Working memory capacity and mind-wandering during low-demand cognitive tasks. *Consciousness and Cognition*, *52*, 47 – 54.

Unsworth, N., & **Robison, M. K.** (2017). Pupillary correlates of covert shifts of attention during working memory maintenance. *Attention, Perception, & Psychophysics, 79*, 782 – 795.

**Robison, M. K.**, & Unsworth, N. (2017). Individual differences in working memory capacity and resistance to belief bias in syllogistic reasoning. *The Quarterly Journal of Experimental Psychology*, *70*, 1471 – 1484.

**Robison, M. K.**, Gath, K. I.,[+] & Unsworth, N. (2017). The neurotic wandering mind: An individual differences investigation of neuroticism, mind-wandering, and executive control. *The Quarterly Journal of Experimental Psychology*, *70*, 649 – 663.

**Robison, M. K.**, & Unsworth, N. (2017). Working memory capacity, strategic allocation of study time, and value-directed remembering. Journal of Memory and Language, *93*, 231 – 244.

Unsworth, N., & **Robison, M. K.** (2016). Pupillary correlates of lapses of sustained attention. *Cognitive, Affective, & Behavioral Neuroscience*, *16*, 601 – 615.

**Robison, M. K.**, & Unsworth, N. (2016). Do participants differ in their cognitive abilities, task motivation, or personality characteristics as a function of time of participation? *Journal of Experimental Psychology: Learning, Memory, and Cognition, 42*(6), 897 – 914.

Unsworth, N., & **Robison, M. K.** (2016). The influence of lapses of attention on working memory capacity. Memory & Cognition, *44*, 188 – 196.

**Robison, M. K.**, & Unsworth, N. (2015). Working memory capacity offers resistance to mind-wandering and external distraction in a context-dependent manner. *Applied Cognitive Psychology, 29*, 680 – 690.

Unsworth, N. & **Robison, M. K.** (2015). Individual differences in the allocation of attention to items in working memory: Evidence from pupillometry. *Psychonomic Bulletin & Review*, *22*, 757 – 765.

Gibson, B. S., Gondoli, D. M., Johnson, A. C., & **Robison, M. K.** (2014). Recall initiation strategies must be controlled in training studies that use immediate free recall tasks to measure the components of working memory capacity across time. *Child Neuropsychology*, *20*, 536-556.

## BOOK CHAPTER:

**Robison, M. K.** (2024). Pupillometry, Attention Control, and Working Memory. In M. H. Papesh and S. D. Goldinger (Eds.), *Modern pupillometry: Cognition, neuroscience, and practical applications*. Springer International Publishing.

## CONFERENCES PRESENTATIONS AND INVITED TALKS:

**Robison, M. K.** (2025, June). Testing an encoding effort hypothesis for the benefit of feedback on memory. Oral presentation given at the Biennial Meeting of the Society for Applied Research in Memory and Cognition, County Kildare, Ireland.

Campbell, S. & **Robison, M. K.** (2025, June). Examining the relationship between media multitasking and cognitive task performance. Poster presentation given at the Biennial

Meeting of the Society for Applied Research in Memory and Cognition, County Kildare, Ireland.

Garner, L. D. & **Robison, M. K.** (2025, June). To what extent do cognitive abilities, sleep, and physical activity predict academic performance? Poster presentation given at the Biennial Meeting of the Society for Applied Research in Memory and Cognition, County Kildare, Ireland.

**Robison, M. K.** (2025, April). Quiet eyes: Attention control is related to between- and within-person variation in visual gaze stability. Invited talk given to Cognitive area at Purdue University.

Garner, L. D., Mohammed, R., & **Robison, M. K.** (2024, November). Setting specific goals improves cognitive effort, self-efficacy, and sustained attention. Poster presentation at the Annual Meeting of the Psychonomic Society, New York, NY.

Campbell, S., Garner, L. D., & **Robison, M. K.** (2024, November). Examining the effects of transcranial Photobiomodulation on working memory task performance. Poster presentation at the Annual Meeting of the Psychonomic Society, New York, NY.

Celaya, X., **Robison, M. K.**, Ball, B. H., & Brewer, G. A. (2024, November). On the role of task position in cognitive testing. Poster presentation at the Annual Meeting of the Psychonomic Society, New York, NY.

Ball, B. H., Dupre, C., Peper, P., & **Robison, M. K.** (2024, November). Aging and prospective memory offloading. Talk given at the Annual Meeting of the Psychonomic Society, New York, NY.

**Robison, M. K.**, Garner, L. D., & Campbell, S. (2023, November). Examining the psychometrics of attention control. Talk given at the Annual Meeting of the Psychonomic Society, San Francisco, CA.

Campbell, S. A. & **Robison, M. K.** (2023, November). A combined experimental/individual differences examination of the influence of motivation on cognitive ability assessments. Poster presentation at the Annual Meeting of the Psychonomic Society, San Francisco, CA.

Celaya, X. C., **Robison M. K.,** Ball, H., & Brewer, G. (2023, November). Task sequencing does not systematically affect the factor structure of cognitive abilities. Poster presentation at the Annual Meeting of the Psychonomic Society, San Francisco, CA.

Garner, L. D. & **Robison, M. K.** (2023, November). Pupillary correlates of individual differences in attentional intensity and consistency on the n-back task. Poster presentation at the Symposium for Individual Differences in Cognition.

**Robison, M. K.**, Garner, L. D., & Campbell, S. (2023, August). Piece-rate time-based incentive structures improve motivation and sustained attention. Paper presentation at the *14*th Bienniel Meeting of the Society for Applied Research in Memory and Cognition, Nagoya, Japan.

**Robison, M. K.** (2023, March). The science of memory and attention. Invited talk given to the North Dallas Early Childhood Parent-Teacher Association.

**Robison, M. K.** (2022, November). Individual differences in sustained attention: Both ability and motivation matter. Poster presentation at the Annual Meeting of the Psychonomic Society.

Campbell, S., & **Robison, M. K.** (2022, November). Examining working memory precision estimates as an individual difference. Poster presentation at the Annual Meeting of the Psychonomic Society.

Torres, A. S., Brewer, G. A., **Robison, M. K.**, McClure, S., & Helms Tillery, S. (2022, November). An experimental evaluation of transcranial direct current stimulation of the trigeminal nerve on attention and arousal. Poster presentation at the Annual Meeting of the Psychonomic Society.

Strayer, D. L., **Robison, M. K.**, & Unsworth, N. (2022, November). Effects of goal-setting on sustained attention and attention lapses. Poster presentation at the Annual Meeting of the Psychonomic Society.

**Robison, M. K.** (2022, April). Understanding controlled attention through pupillometry. Invited talk given to the Frontiers of BrainHealth series at the Center for BrainHealth, University of Texas at Dallas.

**Robison, M. K.**, (2021, September). Using pupillometry to understand individual differences in cognitive abilities. Invited talk given to the Attention & Working Memory Lab, Georgia Institute of Technology.

Torres, A. S., **Robison, M. K.**, & Brewer, G. A. (2021, March). Measurement properties of pupil dynamics. Poster presentation at the annual meeting of the Cognitive Neuroscience Society.

**Robison, M. K.**, Gibson, B. S., Healey, M. K., Schor, D., & Trost, J. M. (2020, November). Individual differences in arousal regulation and long-term memory abilities. Oral presentation at the *61*st Annual Meeting of the Psychonomic Society (Virtual).

**Robison, M. K.** (2020, October). A multimodal investigation of sustained attention. A presentation to the Cognition, Brain, and Behavior area at the University of Notre Dame.

Brewer, G. A., **Robison, M. K.**, Ellis, D. M., & Karoly, P. (2019, March). Acute pain disrupts sustained attention. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

**Robison, M. K.**, & Unsworth, N. (2018, November). Pupillometry tracks fluctuations in working memory performance. Poster presented at the *59*th Annual Meeting of the Psychonomic Society, New Orleans, LA.

**Robison, M. K.**, & Unsworth, N. (2017, November). Individual differences in working memory capacity and filtering. Poster presented at the *58*th Annual Meeting of the Psychonomic Society, Vancouver, BC, Canada.

**Robison, M. K.** (2017, September). Working memory capacity: Multiple mechanisms of control. Invited talk given to the Cognition, Brain, and Behavior group at the University of Notre Dame.

**Robison, M. K.** (2016, October). Cognition, disposition, and context: A multifaceted approach to mind-wandering. Presentation of Preliminary Exams at the University of Oregon.

**Robison, M. K.**, Gath, K. I., & Unsworth, N. (2015, November). The neurotic wandering mind: An individual differences investigation of neuroticism, mind-wandering, and executive control. Poster presented at the *56*th Annual Meeting of the Psychonomic Society, Chicago, IL. (Graduate Travel Award recipient)

**Robison, M.K.** (2014, October). Mind-wandering and distraction in silent and noisy studying environments. Presentation of a First-Year Project at the University of Oregon.

**Robison, M.K.** & Gibson, B.S. (2013, May). The role of recall initiation strategies in the measurement of primary and secondary memory in the context of a working memory training program. Poster and talk given to the Department of Psychology Undergraduate Research Symposium, University of Notre Dame.

## PROFESSIONAL SERVICE:

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|---|---|
| 2021 - | Consulting Editor, *Psychonomic Bulletin & Review* |
| Ad Hoc Reviewer | *Acta Psychologica; Applied Cognitive Psychology; Attention, Perception, and Psychophysics; Behavior Research Methods; Biological Psychology; Brain Topography; Consciousness and Cognition; Cognition; Cognitive Processing; Cognitive Psychology; Cortex; Discourse Processes; Frontiers in Psychology; Heliyon; International Journal of Psychology; Journal of Applied Research in Memory and Cognition; Journal of Cognitive Neuroscience; Journal of Educational Psychology; Journal of Experimental Child Psychology; Journal of Experimental Psychology: Applied; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Intelligence; Journal of Memory and Language; Journal of Neuroscience Methods; Journal of Physiology; Journal of Vision; Language and Linguistics Compass; Learning & Behavior; Learning and Individual Differences; Memory; Memory & Cognition; Nature Human Behavior; Neuropsychologia; PCI Registered Reports; Perspectives in Psychological Science; PLoS ONE; Psychology & Aging; Psychonomic Bulletin & Review; Psychophysiology; Research in Developmental Disabilities; The Quarterly Journal of Experimental Psychology; Scientific Reports; Sensors* |

## DEPARTMENTAL SERVICE:

| | |
|---|---|
| 2025 - | Psychology Undergraduate Curriculum Committee |
| 2024 - | Neuroscience and Behavior Task Force |
| 2024 – 25 | Psychology Faculty Search Committee |
| 2023 – 24 | Psychology Faculty Search Committee (UT-Arlington) |
| 2023 – 24 | Curriculum Committee (UT-Arlington) |
| 2022 – 23 | Graduate Curriculum Committee (UT-Arlington) |
| 2022 – 23 | Developmental Psychology Faculty Search Committee (UT-Arlington) |

2016 – 17 Cognitive Neuroscience Faculty Search Committee (Univ. of Oregon)

**ADVISING:**

**Doctoral Dissertation Committees**

2026 Stephen Campbell (Notre Dame)

2026 Seham Kafafi (Notre Dame)

2025 Sean Dageford (Notre Dame)

2023 Tommaso Viola (Newcastle University)

2023 Phil Peper (UT-Arlington)

2021 Maxine Geltmeier (UT-Arlington)

**Comprehensive Exam Committees**

2025 Stephen Campbell (Notre Dame)

2024 Alexis Torres (Arizona State University)

2024 Durna Alakbarova (UT-Arlington)

2024 Amanda Peters (University of California, Merced)

2022 Phil Peper (UT-Arlington)

**Master's Thesis Committees**

2025 Lauren Garner (Notre Dame)

2024 Stephen Campbell (UT-Arlington)

2024 Jesse Webb (UT-Arlington)

2024 Nolan Davis (UT-Arlington)

2023 James Lo (UT-Arlington)

2023 Haein Won (UT-Arlington)

2023 Nasima Subedi (UT-Arlington)

2021 Durna Alakbarova (UT-Arlington)

**Honors Thesis Advising**

2023 Jessica Nwanko (UT-Arlington) 2023

2023 Janine Shuman (UT-Arlington) 2023

2022 Kiera Wingo (UT-Arlington) 2022

2021 Olivia Anchondo (UT-Arlington) 2021

2020 Ben Pope (Arizona State University) 2020

2020 Faith Brown (Arizona State University)

2019 Deanna Strayer (Arizona State University)

2017 Dylan Vas (University of Oregon)

2015 Katherine Gath (University of Oregon)

2015 Kyung Hoon Jeong (University of Oregon)

2014 Christian Arenas (University of Oregon)

**PROFESSIONAL MEMBERSHIPS:**

2023 - *Fellow*, Psychonomic Society

2013 - *Member*, Psychonomic Society

2022 - *Member*, American Psychological Association

2023 - *Member*, Society for Applied Research in Memory and Cognition

**TEACHING:**

| **Course Name:** | **Level:** | **Term(s):** |
|---|---|---|
| Cognitive Psychology | Undergraduate | Fall 2025 |
| Human Intelligence | Undergraduate | Spring 2025 |
| | | Fall 2024 |
| Multivariate Data Analysis | Graduate | Spring 2024 |
| | | Spring 2023 |
| | | Spring 2022 |
| Advanced Topics in Cognitive Science | Undergraduate | Fall 2023 |
| | | Fall 2022 |
| Learning and Memory | Undergraduate | Summer 2015 |
| Human Performance | Undergraduate | Summer 2014 |