

**James R. Brockmole, Ph.D.**  
**Curriculum Vitae**

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Joseph and Elizabeth Robbie College Professor of Psychology  
Associate Dean for Research and Strategic Initiatives  
Director, Institute for Scholarship in the Liberal Arts  
College of Arts and Letters, University of Notre Dame

100 O'Shaughnessy Hall, Notre Dame, IN 46556  
Phone: 574-631-1792 Email: James.Brockmole@nd.edu Web: visualcognition.nd.edu

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**BIOGRAPHY**

**Education**

University of Illinois at Urbana-Champaign, USA: Ph.D. (2003) M.A. (2001)

University of Notre Dame; Notre Dame, IN, USA: B.A., *summa cum laude* (1999)

**Appointments and Professional Experience**

*Academic Appointments*

2017 – Present	Professor, Department of Psychology, University of Notre Dame
2017 – Present	Joseph and Elizabeth Robbie College Professor, College of Arts and Letters, University of Notre Dame
2009 – 2017	Associate Professor, Department of Psychology, University of Notre Dame
2009 – 2012	Honorary Fellow, University of Edinburgh (Edinburgh, UK)
2008 – 2009	Reader (Associate Professor), School of Philosophy, Psychology, and Language Science, University of Edinburgh (Edinburgh, UK)
2005 – 2008	Lecturer (Assistant Professor), School of Philosophy, Psychology, and Language Science, University of Edinburgh (Edinburgh, UK)
2003 – 2005	Post-Doctoral Research Associate, Department of Psychology, Michigan State University (East Lansing, MI)

*Administrative Appointments*

2020 – Present	Associate Dean for Research and Strategic Initiatives, College of Arts and Letters, University of Notre Dame
2020 – Present	Director, Institute for Scholarship in the Liberal Arts, University of Notre Dame

*Continued: Administrative Appointments*

2016 – 2020	Associate Dean for the Social Sciences and Research, College of Arts and Letters, University of Notre Dame
2013 – 2014	Acting Associate Dean for Undergraduate Studies, College of Arts and Letters, University of Notre Dame
2011 – 2013	Director of Graduate Studies, Department of Psychology, University of Notre Dame
2008 – 2009	Director, MSc. in Visual Cognition, School of Philosophy, Psychology, and Language Science, University of Edinburgh.

*Professional Appointments*

2020 – Present	Editor-In-Chief, <i>Psychonomic Bulletin &amp; Review</i>
2015 – 2016	Associate Editor, <i>Attention, Perception, &amp; Psychophysics</i>
2011 – 2013	Associate Editor, <i>Journal of Experimental Psychology: Human Perception and Performance</i>
2009 – 2014	Consulting Editor, <i>Attention, Perception, &amp; Psychophysics</i>
2008 – 2013	Consulting Editor, <i>Journal of Experimental Psychology: General</i>
2006 – Present	Consulting Editor, <i>Visual Cognition</i>

**Membership and Fellowship in Professional Associations**

Experimental Psychology Society (UK)  
Gesellschaft für Unendliche Versuche (GUV), retired  
Psychonomic Society – Fellow (USA)  
Royal Society of Arts – Fellow (UK)  
Phi Beta Kappa Society (USA)  
Vision Sciences Society (USA)

**SCHOLARSHIP**

**Externally Funded Research Projects**

Where applicable, currency conversion is based on exchange rates at the time of each award.

*Awards as Principal / Co-Principal Investigator*

Templeton Religion Trust: *Understanding the Enduring Impact of Encounters with Sacred Art on Individual Spiritual Reality*. Co-PI with Robin Jensen (Theology) and GA Radvansky.  
July 2020 – Dec 2021; \$230,620.

*Continued: Awards and Principal / Co-Principal Investigator*

National Science Foundation Intelligent Information Systems: *Attention-aware cyberlearning to detect and combat inattentiveness during learning*. Co-PI with Sidney D'Mello (Notre Dame / Colorado-Boulder); Sept 2015 – Aug 2019; \$549,865.

European Research Council Starting Grant: *The effects of aging on object representation in visual working memory*. PI; Sept 2008 – Aug 2011; €500,000 (approx. \$790,000).

Economic and Social Research Council (UK) Research Grant: *Capture of gaze by transient changes to real-world scenes*. PI; June 2008 – May 2009; £102,196 (approx. \$205,000).

British Academy Research Grant: *Implicit and explicit spatial working memory in unilateral visual neglect*. Co-PI with Robert McIntosh (Edinburgh); July 2007 – June 2009; £3,522 (approx. \$7,000).

Royal Society of Edinburgh International Exchange Programme: Effects of visual novelty on attentional disengagement. PI; Oct 2007 – Nov 2007; £2,498 (approx. \$5,000).

British Academy Research Grant: Why does visual working memory decline with age? PI; Aug 2006 – July 2007; £5,448 (approx. \$11,000).

*Awards to Mentored Graduate Students / Post-Doctoral Fellows*

John Templeton Foundation / Duke Institute for Brain Sciences: *Stay on target: Mind wandering, prospective memory, and responsibility*. Co-Mentor (with Nathan Rose, Notre Dame) to Kristina Krasich. Additional graduate co-investigators: Samuel Murray (Notre Dame) and Robert Blakey (Oxford). Aug 2017 – July 2018. \$30,450.

National Science Foundation Graduate Research Fellowship: *Is memory for text influenced by hand position and interacting while reading?* Co-Mentor (with G.A. Radvansky, Notre Dame) to Andrea Kalchik; Aug 2015 – July 2018; approx. \$135,000.

Economic and Social Research Council (UK) Post-Doctoral Fellowship: *Target location probability effects in visual search*. Mentor to Carol Walhew; Feb 2008 – Jan 2009; £91,904 (approx. \$183,000).

**Externally Funded Fellowships**

National Science Foundation Graduate Research Fellowship. University of Illinois at Urbana-Champaign. 2000-2003; approx. \$100,000.

**Publications**

*h-index: 36; i10-index: 62; total citations: > 4300 (excluding textbook)*

$P$ ,  $G$ , and  $U$  respectively designate post-doctoral fellows, graduate students, and undergraduate students primarily working in my lab

$P^*$ ,  $G^*$ , and  $U^*$  respectively designate collaborating post-doctoral fellows, graduate students, and undergraduate students primarily working in other labs

*Authored Books*

Goldstein, E. B., & Brockmole, J. R. (2017). *Sensation and Perception*, 10<sup>th</sup> Edition. Belmont, CA: Wadsworth/Cengage.

*Edited Books*

Brockmole, J. R. (Ed.) (2009). *The Visual World in Memory*. Hove, UK: Psychology Press.

Brockmole, J. R., & Franconeri, S.L. (Eds.) (2009). *Binding*. Hove, UK: Psychology Press.

*Working Papers*

(Manuscripts Available Upon Request)

<sup>G\*</sup>Hutt, S. J., <sup>G, P\*</sup>Krasich, K., Brockmole, J. R., & D’Mello, S. D. Design of a gaze-based attention-aware technology to address mind wandering during learning.

<sup>U</sup>Kim, J., <sup>G, P\*</sup>Krasich, K., <sup>P</sup>Huffman, G., & Brockmole, J. R. The influence of music on gaze.

*Peer-Reviewed Journal Articles*

<sup>P\*</sup>Faber, M., <sup>G, P\*</sup>Krasich, K., <sup>G\*</sup>Bixler, R. E., Brockmole, J. R., & D’Mello, S. D. (in press). The eye-mind wandering link: Identifying indices of mind wandering across tasks. *Journal of Experimental Psychology: Human Perception and Performance*.

<sup>G, P\*</sup>Krasich, K., <sup>P</sup>Huffman, G., <sup>P\*</sup>Faber, M., & Brockmole, J. R. (in press). Where the eyes wander: The relationship between mind wandering and fixation allocation to visually salient and semantically informative static scene content. *Journal of Vision*.

<sup>G, P\*</sup>Clement, A., & Brockmole, J. R. (2020). Updating perception and action across real-world viewpoint changes. *Attention, Perception, & Psychophysics*, 82, 2603-2617.

Davoli, C. C., <sup>G\*</sup>O’Rear, C. D., <sup>U</sup>McAuley, E., McNeil, N. M., & Brockmole, J. R. (2020). Hand placement affects performance on multiplication tasks. *Journal of Numerical Cognition*, 6, 1-21.

<sup>P</sup>Huffman, G., & Brockmole, J. R. (2020). Attentional selection is biased toward controllable stimuli. *Attention, Perception, & Psychophysics*, 82, 2558-2569.

<sup>G, P\*</sup>Clement, A., <sup>G\*</sup>O’Donnell, R. E., & Brockmole, J. R. (2019). The functional arrangement of objects bias gaze direction. *Psychonomic Bulletin & Review*, 26, 1266-1272.

<sup>G</sup>Clement, A., <sup>P</sup>Stothart, C., Drew, T., & Brockmole, J. R. (2019). Between-category semantic associations do not modulate the visual awareness of objects. *Quarterly Journal of Experimental Psychology*, 72, 1224-1232.

<sup>G\*</sup>Hutt, S., <sup>G</sup>Krasich, K., <sup>P\*</sup>Mills, C., <sup>P\*</sup>Bosch, N., White, S., Brockmole, J. R., & D’Mello, S. K. (2019). Gaze-based models of mind wandering in classrooms. *User Modeling and User-Adapted Interaction*, 4, 821-867.

<sup>G</sup>Krasich, K., Biggs, A. T., & Brockmole, J. R. (2019). Attention capture during visual search: The consequences of distractor appeal, familiarity, and frequency. *Visual Cognition*, 27, 260-278. (Special issue on “Dealing with Distraction”).

*Continued: Peer-Reviewed Journal Articles*

- <sup>P</sup>Stothart, C., & Brockmole, J. R. (2019). Finding “satisfaction” in search: Individuals’ own search expectations predict their errors in multiple-target search. *Attention, Perception, & Psychophysics*, *81*, 2659-2665.
- <sup>G</sup>Krasich, K., <sup>U</sup><sup>G\*</sup>McManus, R., <sup>G\*</sup>Hutt, S., <sup>P\*</sup>Faber, M., D’Mello, S. K., & Brockmole, J. R. (2018). Gaze-based signatures of mind wandering during real-world scene processing. *Journal of Experimental Psychology: General*, *147*, 1111-1124.
- <sup>U</sup><sup>G\*</sup>O’Donnell, R. E., <sup>G</sup>Clement, A., & Brockmole, J. R. (2018). Semantic and functional relationships among objects increase the capacity of visual working memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *44*, 1151-1158.
- <sup>P</sup>Stothart, C., <sup>G</sup>Clement, A., & Brockmole, J. R. (2018). Satisfaction in motion: Subsequent search misses are more likely in moving search displays. *Psychonomic Bulletin & Review*, *25*, 409-415.
- <sup>G</sup>Clement, A., Radvansky, G. A., & Brockmole, J. R. (2017). Compression of environmental representations following interactions with objects. *Attention, Perception, & Psychophysics*, *79*, 2460-2466.
- Tatler, B. W., Brockmole, J. R., & Carpenter, R. H. S. (2017). LATEST: A model of saccadic decisions in space and time. *Psychological Review*, *124*, 267-300.
- <sup>U</sup><sup>G\*</sup>Cronin, D. A., & Brockmole, J. R. (2016). Evaluating the influence of a fixated object’s spatio-temporal properties on gaze control. *Attention, Perception, & Psychophysics*, *78*, 996-1003.
- Costello, M. C., <sup>G\*</sup>Bloesch, E. K., Davoli, C. C., <sup>U\*</sup>Panting, N. D., Abrams, R. A., & Brockmole, J. R. (2015). Spatial representations in older adults are not modified by action: Evidence from Tool Use. *Psychology and Aging*, *30*, 656-668.
- <sup>G\*</sup>Wright, T. J., Boot, W. R., & Brockmole, J. R. (2015). Functional fixedness: The functional significance of delayed disengagement based on attention set. *Journal of Experimental Psychology: Human Perception and Performance*, *41*, 17-21.
- <sup>G\*</sup>Biggs, A. T., Brockmole, J. R., & Witt, J. K. (2014). Armed and attentive: Holding a weapon can bias attentional priorities in scene viewing. *Attention, Perception, & Psychophysics*, *75*, 1715-1724.
- <sup>G\*</sup>Biggs, A. T., <sup>G\*</sup>Stey, P., Davoli, C. C., Lapsley, D., & Brockmole, J. R. (2014). Knowing where to draw the line: Perceptual differences between risk-takers and non-risk-takers. *PLoS ONE*, *9*, e91880.
- <sup>U</sup>Kelly, S. P., & Brockmole, J. R. (2014). Hand proximity differentially affects visual working memory for color and orientation in a binding task. *Frontiers in Psychology*, *5*, Article 318.
- Thomas, L. A., Davoli, C. C., & Brockmole, J. R. (2014). Competitive interaction leads to perceptual distancing between actors. *Journal of Experimental Psychology: Human Perception and Performance*, *40*, 2112-2116.
- Brockmole, J. R., <sup>P</sup>Davoli, C. C., Abrams, R. A., & Witt, J. K. (2013). The world within reach: Effects of hand posture and tool-use on visual cognition. *Current Directions in Psychological Science*, *22*, 38-44.

*Continued: Peer-Reviewed Journal Articles*

- Brockmole, J. R., & Logie, R. H. (2013). Age-related change in visual working memory: A study of 55,753 participants aged 8 to 75. *Frontiers in Psychology*, 4, Article 12.
- <sup>P\*</sup>Chesney, D. L., McNeil, N. M., Brockmole, J. R., & Kelley, K. (2013). An eye for relations: Eye-tracking indicates long-term negative effects of operational thinking on understanding of math equivalence. *Memory & Cognition*, 41, 1079-1095.
- Thomas, L. E., <sup>P</sup>Davoli, C. C., & Brockmole, J. R. (2013). Interacting with objects compresses environmental representations in spatial memory. *Psychonomic Bulletin and Review*, 20, 101-107.
- <sup>G\*</sup>Blakely, D. P., <sup>G\*</sup>Wright, T., <sup>U\*</sup>Dehili, V. M., Boot, W. R., & Brockmole, J. R. (2012). Characterizing the time course and nature of attentional disengagement effects. *Vision Research*, 56, 38-48.
- <sup>G\*</sup>Bloesch, E. K., <sup>P</sup>Davoli, C. C., <sup>U\*</sup>Roth, N., Brockmole, J. R., & Abrams, R. A. (2012). Watch this! Observed tool use affects perceived distance. *Psychonomic Bulletin & Review*, 19, 177-183.
- <sup>G\*</sup>Bredemeier, K., Berenbaum, H., Brockmole, J. R., Boot, W. R., Simons, D. J., & Most, S. B. (2012). A load on my mind: Evidence that anhedonic depression is like multi-tasking. *Acta Psychologica*, 139, 137-145.
- <sup>P</sup>Brown, L. A., Brockmole, J. R., <sup>P\*</sup>Gow, A. J., & Deary, I. J. (2012). Processing speed and visuo-spatial executive function predict visual working memory ability in older adults. *Experimental Aging Research*, 38, 1-19.
- <sup>P</sup>Davoli, C. C., & Brockmole, J. R. (2012). The hands shield attention from visual interference. *Attention, Perception, & Psychophysics*, 74, 1386-1390.
- <sup>P</sup>Davoli, C. C., Brockmole, J. R., Du, F., & Abrams, R. A. (2012). Switching between global and local scopes of attention is resisted near the hands. *Visual Cognition*, 20, 659-668.
- <sup>P</sup>Davoli, C. C., Brockmole, J. R., & Goujon, A. (2012). A bias to detail: How hand position modulates visual learning and visual memory. *Memory & Cognition*, 40, 352-359.
- <sup>P</sup>Davoli, C. C., Brockmole, J. R., & Witt, J. K. (2012). Compressing perceived distance with remote tool-use: Real, imagined, and remembered. *Journal of Experimental Psychology: Human Perception and Performance*, 38, 80-89.
- <sup>P\*</sup>Goujon, A., Brockmole, J. R., & <sup>U, G\*</sup>Ehinger, K. A. (2012). How visual and semantic information influence learning in familiar contexts. *Journal of Experimental Psychology: Human Perception and Performance*, 38, 1315-1327.
- Schneps, M. H., Brockmole, J. R., Sonnert, G., & Pomplun, M. (2012). History of reading struggles linked to enhanced learning in low spatial frequency scenes. *PLoS ONE*, 7, e35724.
- Witt, J. K., & Brockmole, J. R. (2012). Action alters object identification: Wielding a gun increases the bias to see guns. *Journal of Experimental Psychology: Human Perception and Performance*, 38, 1159-1167.
- Logie, R. H., Brockmole, J. R., & <sup>G\*</sup>Jaswal, S. (2011). Feature binding in visual short-term memory is unaffected by task-irrelevant changes of location, shape, and color. *Memory & Cognition*, 39, 24-36.

*Continued: Peer-Reviewed Journal Articles*

- <sup>P</sup>Matsukura, M., Brockmole, J. R., Boot, W. R., & Henderson, J. M. (2011). Oculomotor capture during real-world scene viewing depends on cognitive load. *Vision Research*, *51*, 546-552.
- Boot, W. R., & Brockmole, J. R. (2010). Irrelevant features at fixation modulate saccadic latency and direction in visual search. *Visual Cognition*, *18*, 481-491.
- Brockmole, J. R., & <sup>P\*</sup>Võ, M. L.-H. (2010). Semantic memory for contextual regularities within and across scene categories: Evidence from eye movements. *Attention, Perception, & Psychophysics*, *72*, 1803-1813.
- <sup>P</sup>Brown, L. A., & Brockmole, J. R. (2010). The role of attention in binding of visual features in visual working memory: Evidence from cognitive ageing. *Quarterly Journal of Experimental Psychology*, *63*, 2067-2079.
- Johnson, W., Logie, R. H., & Brockmole, J. R. (2010). Working memory tasks differ in factor structure across age cohorts: Evidence for dedifferentiation. *Intelligence*, *38*, 513-528.
- McIntosh, R. D., <sup>G\*</sup>Mulroue, A., & Brockmole, J. R. (2010). How automatic is the hand's automatic pilot? Evidence from dual-task studies. *Experimental Brain Research*, *206*, 257-269.
- Brockmole, J. R., & Boot, W. R. (2009). Should I stay or should I go? Attentional disengagement from visually unique and unexpected items at fixation. *Journal of Experimental Psychology: Human Perception and Performance*, *35*, 808-815.
- Logie, R. H., Brockmole, J. R., & <sup>G\*</sup>Vandenbroucke, A. R. E. (2009). Bound feature combinations are fragile in visual short-term memory but form the basis for long-term learning. *Visual Cognition*, *17*, 375-390.
- <sup>P</sup>Matsukura, M., Brockmole, J. R., & Henderson, J. M. (2009). Overt attentional prioritization of new objects and feature changes during real-world scene viewing. *Visual Cognition*, *17*, 835-855.
- Brockmole, J. R., Hambrick, D. Z., <sup>U</sup>Windisch, D. J., & Henderson, J. M. (2008). The role of meaning in contextual cueing: Evidence from chess expertise. *Quarterly Journal of Experimental Psychology*, *61*, 1886-1896.
- Brockmole, J. R., & Henderson, J. M. (2008). Prioritizing new objects for eye fixation in real-world scenes: Effects of object-scene consistency. *Visual Cognition*, *16*, 375-390.
- Brockmole, J. R., <sup>G\*</sup>Parra, M.A., Della Sala, S., & Logie, R. H. (2008). Do binding deficits account for age-related decline in visual working memory?. *Psychonomic Bulletin & Review*, *15*, 543-547.
- <sup>U, G\*</sup>Ehinger, K. A., & Brockmole, J. R. (2008). The role of color in visual search in real-world scenes: Evidence from contextual cueing. *Perception & Psychophysics*, *70*, 1366-1378.
- Henderson, J. M., Brockmole, J. R., & Gajewski, D. A. (2008). Differential detection of global luminance and contrast changes across saccades and flickers during active scene perception. *Vision Research*, *48*, 16-29.
- Brockmole, J. R., Castelano, M. S., & Henderson, J. M. (2006). Contextual Cueing in Naturalistic Scenes: Global and Local Contexts. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *32*, 699-706.

*Continued: Peer-Reviewed Journal Articles*

- Brockmole, J. R., & Henderson, J. M. (2006a). Recognition and attention guidance during contextual cueing in real-world scenes: Evidence from eye movements. *Quarterly Journal of Experimental Psychology*, *59*, 1177-1187.
- Brockmole, J. R., & Henderson, J. M. (2006b). Using real-world scenes as contextual cues for search. *Visual Cognition*, *13*, 99-108.
- Gajewski, D. A., & Brockmole, J. R. (2006). Feature bindings endure without attention: Evidence from an explicit recall task. *Psychonomic Bulletin & Review*, *13*, 581-587.
- Boot, W. R., Brockmole, J. R., & Simons, D. J. (2005). Attention capture is modulated in dual-task situations. *Psychonomic Bulletin & Review*, *12*, 662-668.
- Brockmole, J. R., & Henderson, J. M. (2005a). Prioritization of new objects in real-world scenes: Evidence from eye movements. *Journal of Experimental Psychology: Human Perception and Performance*, *31*, 857-868.
- Brockmole, J. R., & Henderson, J. M. (2005b). Object appearance, disappearance, and attention prioritization in real-world scenes. *Psychonomic Bulletin & Review*, *12*, 1061-1067.
- Brockmole, J. R., & Irwin, D. E. (2005). Eye movements and the integration of visual memory and visual perception. *Perception & Psychophysics* *67*, 495-512.
- Irwin, D. E., & Brockmole, J. R. (2004). Suppressing where but not what: The effect of saccades on dorsal- and ventral-stream visual processing. *Psychological Science*, *15*, 467-473.
- Brockmole, J. R., Irwin, D. E., & Wang, R. F. (2003). The locus of spatial attention during the temporal integration of visual memories and percepts. *Psychonomic Bulletin & Review*, *10*, 510-515.
- Brockmole, J. R., & Wang, R. F. (2003). Integrating visual images and visual percepts across time and space. *Visual Cognition*, *10*, 853-873.
- Brockmole, J. R., & Wang, R. F. (2003). Changing perspective within and across environments. *Cognition*, *87*, B59-B67.
- Wang, R. F., & Brockmole, J. R. (2003). Simultaneous spatial updating in nested environments. *Psychonomic Bulletin & Review*, *10*, 981-986.
- Wang, R. F., & Brockmole, J. R. (2003). Human navigation in nested environments. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *29*, 398-404.
- Brockmole, J. R., Carlson, L. A., & Irwin, D. E. (2002). Inhibition of attended processing during saccadic eye movements. *Perception & Psychophysics*, *64*, 867-881.
- Brockmole, J. R., & Wang, R. F. (2002). Switching between environmental representations in memory. *Cognition*, *83*, 295-316.
- Brockmole, J. R., Wang, R. F., and Irwin, D. E. (2002). Temporal integration of visual images and visual percepts. *Journal of Experimental Psychology: Human Perception and Performance*, *28*, 315-334.
- Irwin, D. E., & Brockmole, J. R. (2000). Mental rotation is suppressed during saccadic eye movements. *Psychonomic Bulletin & Review*, *7*, 654-661.



*Book Chapters*

- Brockmole, J. R., <sup>P</sup>Davoli, C. C., & <sup>G</sup>Cronin, D. A. (2012). The visual world in sight and mind: How attention and memory interact to determine visual experience. In B. H. Ross (Ed.). *The Psychology of Learning and Motivation, Vol. 57* (pgs 103-145). London: Elsevier.
- Brockmole, J. R., & <sup>P</sup>Matsukura, M. (2011). Eye movements and change detection. In S. P. Liversedge, I. D. Gilchrist, & S. Everling (Eds.). *Oxford Handbook on Eye Movements* (pgs 563 – 578). New York: Oxford University Press.
- Brockmole, J. R. (2010). Attention and memory. In E. B. Goldstein (Ed.). *Encyclopedia of Perception* (pgs. 121-125). Thousand Oaks, CA: Sage.
- Henderson, J. M., Brockmole, J. R., Castelhana, M. S., & Mack, M. (2007). Visual saliency does not account for eye movements during visual search in real-world scenes. In R. P. G. van Gompel, M. H. Fischer, W. S. Murray, & R. L. Hill (Eds.), *Eye movements: A window on mind and brain* (pp. 537-562). Oxford: Elsevier.
- Brockmole, J. R., & Wang, R. F. (2005). Spatial processing of environmental representations. In L. Itti, G. Rees, & J. Tsotsos (Eds.). *Neurobiology of Attention*. Academic Press.

**Departmental Colloquia**

- 2020 Florida State University, Tallahassee, FL
- 2019 Michigan State University, East Lansing, MI
- 2018 University of East Anglia, Norwich, United Kingdom
- 2016 Indiana University, Bloomington, IN
- 2014 Washington University in St. Louis, St. Louis, MO
- 2013 Colorado State University, Fort Collins, CO
- 2013 North Dakota State University, Fargo, ND
- 2012 New York University, New York, NY
- 2012 University of Nevada - Las Vegas, Las Vegas, NV
- 2011 Denison University, Granville, OH
- 2011 University of Delaware, Newark, DE
- 2011 University of Missouri, Columbia, MO
- 2010 University of Dundee, Dundee, Scotland
- 2010 Northwestern University, Evanston, IL
- 2010 Purdue University, West Lafayette, IN
- 2010 University of Toronto, Toronto, ON, Canada
- 2010 University of Chicago, Chicago, IL
- 2009 University of Aberdeen, Aberdeen, Scotland
- 2009 University of Illinois, Urbana, IL
- 2009 University of Notre Dame, Notre Dame, IN
- 2008 University of Munich, Munich, Germany
- 2007 University of Trieste, Trieste, Italy
- 2006 Vrije Universiteit, Amsterdam, Netherlands
- 2005 University at Buffalo - State University of New York, Buffalo, NY
- 2005 University of Edinburgh, Edinburgh, Scotland

*Continued: Department Colloquia*

- 2004 Lancaster University, Lancaster, England  
2003 Carnegie Mellon University, Pittsburgh, PA  
2003 Johns Hopkins University, Baltimore, MD  
2003 Michigan State University, East Lansing, MI  
2003 University of Iowa, Cedar Rapids, IA  
2003 University of Massachusetts, Amherst, MA  
2003 University of North Carolina, Chapel Hill, NC  
2003 University of Western Ontario, London, ON, Canada  
2002 Southern Illinois University, Carbondale, IL  
2001 University of Michigan, Ann Arbor, MI

**Conference and Workshop Presentations**

Read or presented by first author unless otherwise noted

- Brockmole, J. R., Krasich, K., & Huffman, G. (November, 2019). Where do the eyes wander? The relationship between mind wandering and the allocation of gaze to visually salient and semantically meaningful scene content. Paper presented at the 60<sup>th</sup> Annual Meeting of the Psychonomic Society. Montreal, Ontario, Canada.
- Huffman, G., & Brockmole, J. R. (November, 2019). Visual attention is captured by controllable objects. Poster presented at the 60<sup>th</sup> Annual Meeting of the Psychonomic Society. Montreal, Ontario, Canada.
- Clement, A. S., & Brockmole, J. R. (May, 2019). Updating perception and action across real-world viewpoint changes. Paper presented at the 19<sup>th</sup> Annual Meeting of the Vision Sciences Society. St. Pete Beach, FL.
- Brockmole, J. R., Krasich, K., Hutt, S., & D’Mello, S. D. (November, 2018). Attention-aware cyberlearning to detect and combat wandering minds. Paper presented at the 59<sup>th</sup> Annual Meeting of the Psychonomic Society. New Orleans, LA.
- Clement, A., & Brockmole, J. R. (November, 2018). Updating perception and action across real-world viewpoint changes. Paper presented at the 26<sup>th</sup> annual Workshop on Object Perception, Attention, and Memory (OPAM). New Orleans, LA.
- Krasich, K., Murray, S. F., Faber, M., & Brockmole, J. R. (November, 2018). Stay on target: Does mind wandering affect prospective memory? (November, 2018). Poster presented at the 59<sup>th</sup> Annual Meeting of the Psychonomic Society. New Orleans, LA.
- Clement, A., O’Donnell, R. E., & Brockmole, J. R. (May, 2018). Semantic and functional relationships among objects bias gaze control. Poster presented at the Annual Meeting of the Vision Sciences Society. St. Pete Beach, FL.
- Krasich, K., Faber, M., Brockmole, J. R., & Radvansky, G. A. (November, 2017). How quickly we remember: The rate of short-term consolidation. Poster presented at the 58<sup>th</sup> Annual Meeting of the Psychonomic Society. Vancouver, Canada.
- Krasich, K., McManus, R., Hutt, S., Faber, M., D’Mello, S. K., & Brockmole, J. R. (November, 2017). Gaze-based indices of mind wandering during real-world scene processing. Paper presented at the 25<sup>th</sup> annual Workshop on Object Perception, Attention, and Memory (OPAM). Vancouver, Canada.

*Continued: Conference and Workshop Presentations*

- Stothart, C., Bixler, R., Brockmole, J. R., & D’Mello, S. (November, 2017). Team coordination in visual search with and without shared eye movements. Poster presented at the 58<sup>th</sup> Annual Meeting of the Psychonomic Society. Vancouver, Canada.
- Krasich, K., Clement, A. S., Stothart, C., & Brockmole, J. R. (May 2017). Does memory consolidation influence memory-driven attentional capture? Poster presented at the Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Stothart, C., Clement, A. S., & Brockmole, J. R. (May, 2017). Satisfaction in motion: Moving search displays increase subsequent search misses. Poster presented at the Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Sisk, C., & Brockmole, J. R. (April, 2017). Does location have special priority in memory-driven attention allocation? Poster presented at the Eighty-Ninth Annual Meeting of the Midwestern Psychological Association. Chicago, IL.
- Clement, A. S., Brockmole, J. R., & Irwin, D. E. (November, 2016). Does the temporal and spatial processing of objects share a common code? Poster presented at the 24<sup>th</sup> annual Workshop on Object Perception, Attention, and Memory (OPAM). Boston, MA.
- Clement, A. S., & Brockmole, J. R. (November, 2016). Changes in observer location eliminate tool-based compression of distance. Poster presented at the 57<sup>th</sup> Annual Meeting of the Psychonomic Society. Boston, MA.
- McManus, R. Krasich, K., Brockmole, J. R., & D’Mello, S. K. (November, 2016). Eye movement patters associated with mind wandering during real-world scene viewing. Poster presented at the 57<sup>th</sup> Annual Meeting of the Psychonomic Society. Boston, MA.
- Brockmole, J. R. (August, 2016). Hand posture influences semantic processing. Invited Paper presented at the “Perception, Action, and Embodiment Symposium” at the American Psychological Association Annual Convention, Denver, CO.
- Clement, A. S., & Brockmole, J. R. (May, 2016). Action-Based Compression of Spatial Memory for Individual and Nested Environments. Poster presented at the Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Clement, A. S., & Brockmole, J. R. (November, 2015). Eye movements during reading are affected by hand proximity to the text. Poster presented at the 23<sup>rd</sup> annual Workshop on Object Perception, Attention, and Memory (OPAM), Chicago, IL.
- Clement, A. S., & Brockmole, J. R. (November, 2015). Eye movements during reading are affected by hand proximity to the text. Poster presented at the 56<sup>th</sup> Annual Meeting of the Psychonomic Society. Chicago, IL.
- Krasich, K., Biggs, A. T., & Brockmole, J. R. (November, 2015). Infrequency over positivity: How distractors capture attention. Poster presented at the 23<sup>rd</sup> annual Workshop on Object Perception, Attention, and Memory (OPAM), Chicago, IL.
- Brockmole, J. R., Davoli, C. C., Ehrman, E., & McNeil, N. M. (November 2013). Getting a grip on concepts: Hand position affects access to mathematical knowledge. Paper presented at the 54<sup>th</sup> Annual Meeting of the Psychonomic Society. Toronto, ON, Canada.

*Continued: Conference and Workshop Presentations*

- Thomas, L. E., Davoli, C. C., & Brockmole, J. R. (November 2013). Competitive interaction leads to perceptual distancing between actors. Poster presented at the 54<sup>th</sup> Annual Meeting of the Psychonomic Society. Toronto, ON, Canada.
- Costello, M. C., Davoli, C. C., Panting, N. D., & Brockmole, J. R. (May, 2013). Age-related differences of an embodied tool-effect in distance perception. Poster presented at the 13<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.
- Tatler, B. Brockmole, J. R., & Carpenter, R. (August, 2013). Saccadic decisions in scene viewing. Paper presented at the European Conference on Eye Movements (ECEM). Lund, Sweden.
- Davoli, C. C., Thomas, L. E., & Brockmole, J. R. (November, 2012). Interaction compresses environmental representations in spatial memory. Paper presented at the 53<sup>rd</sup> annual meeting of the Psychonomic Society, Minneapolis, MN.
- Cronin, D. A., & Brockmole, J. R. (November, 2012). Reference frames, implied motion, animacy, and gaze control. Paper presented at the 20<sup>th</sup> annual Workshop on Object Perception, Attention, and Memory (OPAM), Minneapolis, MN.
- Brockmole, J. R. (September 2012). Controlling the motion of attention. Invited paper presented at the Optical Society of America Fall Vision Meeting, Rochester, NY.
- Biggs, A. T., Brockmole, J. R., & Witt, J. K. (May, 2012). Armed and attentive: Holding a weapon can alter attentional priorities in scene viewing. Poster presented at the 12<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.
- Davoli, C. C., & Brockmole, J. R. (May, 2012). Handcuffing visual attention: Selection is narrowed and slowed near the hands. Poster presented at the 12<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.
- Davoli, C. C., & Brockmole, J. R. (November, 2011). Holding on and letting go: The allocation of attention to space and objects is constricted and slowed near the hands. Paper presented at the 19<sup>th</sup> annual Workshop on Object Perception, Attention, and Memory (OPAM), Seattle, WA.
- Witt, J. K., & Brockmole, J. R. (November, 2011, Read by J.R.B.). Action affects object recognition: Wielding a gun creates a bias to see guns. Paper presented at the 52<sup>nd</sup> annual meeting of the Psychonomic Society, Seattle, WA.
- Schneps, M., & Brockmole, J. R. (September, 2011). *Dyslexia linked to spatial learning advantages in contexts dominated by low-spatial frequencies*. Poster presented at the 34<sup>th</sup> European Conference on Visual Perception, Toulouse, France.
- Blakely, D., Wright, T., Boot, W. R., & Brockmole, J. R. (May, 2011). *On the precision of attention sets: Effects of distractor probability and temporal expectations on contingent capture*. Poster presented at 11<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.
- Boot, W. R., Wright, T., Blakely, D., & Brockmole, J. R. (May, 2011). *The time course and nature of attentional disengagement effects*. Poster presented at the 11<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.

*Continued: Conference and Workshop Presentations*

- Brockmole, J. R., & Witt, J. K. (May, 2011). *Action alters object identification: Wielding a gun creates a bias to see guns*. Poster presented at the 11<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.
- Davoli, C. C., Brockmole, J. R., & Witt, J. K. (May, 2011). *Compressing perceived distance through real and imagined tool use*. Poster presented at the 11<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.
- Wright, R., Blakely, D., Jones, J., Boot, W., & Brockmole, J. R. (May, 2011). *Linguistic and feature cues interact to determine saccadic latency and direction in visual search*. Poster presented at the 11<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.
- Boot, W. R., & Brockmole, J. R. (May, 2010). *Can't take my eyes off of you: Delayed attentional disengagement based on attention set*. Poster presented at the 10<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.
- Schneps, M. H., Brockmole, J. R., Heffner-Wong, A., Pomplun, M., Hwang, A. D., & Sonnert, G. (May, 2010). *The role of gist in dyslexia*. Poster presented at the 10<sup>th</sup> Annual Meeting of the Vision Sciences Society, Sarasota, FL.
- Brown, L. A., & Brockmole, J. R. (April, 2010). *The role of attention in binding visual features in working memory: Evidence from cognitive ageing*. Paper presented at the Plenary Session of the 13<sup>th</sup> Cognitive Aging Conference, Atlanta, GA.
- Brockmole, J. R., & Vo, M. L.-H. (November, 2009). *The role of semantic memory in learning contextual regularities in real-world scenes*. Paper presented at the 50<sup>th</sup> Annual Meeting of the Psychonomic Society, Boston, Massachusetts.
- Brockmole, J. R., & Boot, W. R. (November, 2008). *Task-Irrelevant Visual Novelty Delays the Disengagement of Overt Attention*. Paper presented at the 49<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, Illinois.
- Brockmole, J. R. (April, 2008). *Representing Objects: Binding Mechanisms in VSTM Constrain Learning and Storage in VLTm*. Invited speaker at ESRC Seminar Series: Advancing Our Understanding of Memory and Cognitive Functioning, Lancaster, England.
- Brockmole, J. R. (December, 2007). *Attention, Memory, and Real-World Scene Processing*. Invited paper presented at the Rank Prize Funds Symposium on Representations of the Visual World in the Brain, Grasmere, England.
- Brockmole, J. R., & Henderson, J. M. (November, 2007). *Prioritizing New Objects for Eye Fixation in Scenes: Effects of Object-Scene Consistency*. Paper presented at the 48<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, California.
- Logie, R. H., Brockmole, J. R., & Vandembroucke, A. (August, 2007). *Binding across the life span in visuo-spatial working memory*. Paper presented at the meeting of the European Society for Cognitive Psychology, Marseille, France.
- Brockmole, J. R., & Logie, R. H. (July, 2007). *Why Does Visual Working Memory Decline With Age: A Binding Study*. Invited Paper presented at the "Binding in Working Memory Symposium" at the joint meeting of the Psychonomic Society and Experimental Psychology Society, Edinburgh, Scotland.

*Continued: Conference and Workshop Presentations*

- Brockmole, J. R., Hambrick, D. Z., Windisch, D. J., & Henderson, J. M. (July, 2007). *Meaning and Expertise in Contextual Cueing*. Paper presented at the joint meeting of the Psychonomic Society and Experimental Psychology Society, Edinburgh, Scotland.
- Jaswal, S., Brockmole, J. R., & Logie, R. H. (July, 2007). *Location as a feature in binding in visual working memory*. Poster presented at the joint meeting of the Psychonomic Society and Experimental Psychology Society, Edinburgh, Scotland.
- Brockmole, J. R., Castelhana, M. S., & Henderson, J. M. (April, 2006). *The Roles of Local Objects and Scene Identity in Contextual Cueing in Scenes*. Paper presented at the Meeting of the Experimental Psychology Society, Birmingham, England.
- Brockmole, J. R., & Henderson, J. M. (November, 2005). *Contextual Cueing in Real-World Scenes*. Paper presented at the 46<sup>th</sup> Annual Meeting of the Psychonomic Society, Toronto, Ontario, Canada.
- Gajewski, D. A., & Brockmole, J. R. (November, 2005). *Feature Binding in Visual Working Memory Without Continued Attention*. Poster presented at the 46<sup>th</sup> Annual Meeting of the Psychonomic Society, Toronto, Ontario, Canada.
- Hartman, M., Pukay-Martin, N. D., McCabe, J., & Brockmole, J. R. (November, 2005). *Temporal Integration: Measuring Age Differences in Working Memory Capacity and Consolidation*. Paper presented at the 46<sup>th</sup> Annual Meeting of the Psychonomic Society, Toronto, Ontario, Canada.
- Brockmole, J. R., Mack, M. L., Castelhana, M. S., Oliva, A., & Henderson, J. M. (November, 2004). *Fixation Duration is Related to Local Image Statistics During Real-World Scene Viewing*. Poster presented at the 45<sup>th</sup> Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Brockmole, J. R., & Henderson, J. M. (May, 2004). *Attentional prioritization of new objects in natural scenes*. Paper presented at the 4<sup>th</sup> Annual Meeting of the Vision Sciences Society, Sarasota, FL.
- Brockmole, J. R., Boot, W. R., Simons, D. E., & Alexander, A. L. (November, 2003). *Time's up for contingency: Contingent capture is explained by temporal confusion*. Poster presented at the 11<sup>th</sup> Annual Workshop on Object Perception, Attention, and Memory, Vancouver, Canada.
- Brockmole, J. R., Irwin, D. E., & Wang, R. F. (November, 2003). *Eye movements and the integration of visual imagery and visual perception*. Poster presented at the 44<sup>th</sup> Annual Meeting of the Psychonomic Society, Vancouver, Canada.
- Brockmole, J. R., Boot, W. R., & Simons, D. J. (May, 2003). *An auditory secondary task modulates attention capture in visual search*. Poster presented at the 3<sup>rd</sup> Annual Meeting of the Vision Sciences Society, Sarasota, FL.
- Brockmole, J. R., Wang, R. F., & Irwin, D. E. (November, 2002). *Multiple memory-percept integration*. Poster presented at the 43<sup>rd</sup> Annual Meeting of the Psychonomic Society, Kansas City, MO.
- Brockmole, J. R., Wang, R. F., & Irwin, D. E. (May, 2002). *Properties of memory-percept integration*. Paper presented at the 2<sup>nd</sup> Annual Meeting of the Vision Sciences Society, Sarasota, FL.

*Continued: Conference and Workshop Presentations*

Wang, R. F., Brockmole, J. R., & Abdul-Salaam, R. A. (May, 2002). *Spatial updating across environments*. Paper presented at the 2<sup>nd</sup> Annual Meeting of the Vision Sciences Society, Sarasota, FL.

Brockmole, J. R., Wang, R. F., & Irwin, D. E. (November, 2001). *Integration of visual memories and percepts: What is the memory process?* Paper presented at the 9<sup>th</sup> Annual Workshop on Object Perception and Memory, Orlando, FL.

Irwin, D. E., & Brockmole, J. R. (November, 2001). *Suppressing where but not what: The effect of saccades on dorsal- and ventral-stream visual processing*. Paper presented at the 42<sup>nd</sup> Annual Meeting of the Psychonomic Society, Orlando, FL.

Brockmole, J. R., Wang, R. F., & Irwin, D. E. (July, 2001). *Integrating visual memory and perception*. **Invited** paper presented as part of a symposium on Visual Memory: Object Representation and Integration at the 3<sup>rd</sup> International Conference on Memory, Valencia.

Brockmole, J. R., & Wang, R. F. (November, 2000). *Switching between environmental representations in memory*. Paper presented at the 8<sup>th</sup> Annual Workshop on Object Perception and Memory, New Orleans, LA.

Brockmole, J. R., Wang, R. F., & Irwin, D. E. (November, 2000). *Temporal integration between visual memory and perception*. Poster presented at the 41<sup>st</sup> Annual Meeting of the Psychonomic Society, New Orleans, LA.

Wang, R. F., Brockmole, J. R., & Stewart, C. C. (November, 2000). *Being oriented and disoriented at the same time*. Poster presented at the 41<sup>st</sup> Annual Meeting of the Psychonomic Society, New Orleans, LA.

Irwin, D. E., Brockmole, J. R., & Kramer, A. F. (June, 2000). *Does attention precede involuntary saccades?* Paper presented at Attraction, Distraction, and Action: An Interdisciplinary Conference and Workshop, Villanova, PA.

Brockmole, J. R., Carlson-Radvansky, L. A. (May, 2000). *Shifts of attentional scale are suppressed during saccadic eye movements*. Paper presented at the 72<sup>nd</sup> Annual Meeting of the Midwest Psychological Association, Chicago, IL.

## **TEACHING AND MENTORSHIP**

### **Courses Taught**

*Undergraduate Level:* Cognitive Psychology (80-seat lecture), Experimental Psychology II: Research Methods (30-seat lecture and lab), Visual Memory (12-seat seminar)

*Graduate Level:* Visual Memory (6-seat seminar)

## Post-Doctoral Fellows Mentored

- Greg Huffman, Ph.D. Fellowship: 2018 – 2020, University of Notre Dame. Placement: Research Scientist, Naval Health Research Center San Diego. Current Position: Same.
- Cary Stothart, Ph.D. Fellowship: 2016 – 2017, University of Notre Dame. Placement: Research Psychologist, U.S. Army Research Institute for the Behavioral and Social Sciences. Current Position: Same.
- Christopher Davoli, Ph.D. Fellowship: 2009 – 2012, University of Notre Dame. Placement: Assistant Professor, Central Michigan University. Current Position: Same.
- Michi Matsukura, Ph.D. Fellowship: 2008 – 2009, University of Edinburgh. Placement: Post-Doctoral Fellow and Instructor, University of Iowa. Current Position: Assistant Professor, Drake University.
- Louise Brown, Ph.D. Fellowship: 2008 – 2009, University of Edinburgh. Placement: Lecturer (Assistant Professor), Nottingham-Trent University (England). Current Position: Lecturer (Assistant Professor) and Chancellor's Fellow, Strathclyde University (Scotland). Current Position: Senior Lecturer (Associate Professor), Strathclyde University (Scotland).
- Carol Walthew, Ph.D. Fellowship: 2007 – 2008, University of Edinburgh. Placement: Senior Gallery Enabler (Curator), Birmingham Science Museum, England.

## Dissertations and Theses Directed

### *Doctoral Dissertations*

#### Primary Supervision

- Kristina Krasich, 2019. *The Effect of Mind Wandering on Gaze Control*. Univ. of Notre Dame. Placement: Post-Doctoral Fellowship, Duke University. Current Position: Same.
- Andrew Clement, 2018. *Updating perception and action across real-world viewpoint changes*. University of Notre Dame. Placement: Post-Doctoral Fellowship, University of Toronto. Current Position: Same.
- Konstantinos Tsagkaridis, 2009. *Semantic and action influences on visual perception*. University of Edinburgh. Placement: Post-Doctoral Fellowship, Moss Rehabilitation Hospital, Philadelphia, PA. Current Position: Assistant Professor, University of Cyprus.

#### Secondary Supervision

- Amy Mulroue, 2011. *The automatic pilot: Cognitive and neurological aspects of the online correction of manual aiming movements*. University of Edinburgh.
- Natasha Dare, 2010. *Out of this word: The effect of parafoveal orthographic information on central word processing*. University of Edinburgh.
- Snehlata Jaswal, 2010. *Binding visual features in human perception and memory*. University of Edinburgh.



*Master's Theses*

Kristina Krasich, 2016. *Driven to distraction: Affect and the capture of visual attention*. University of Notre Dame.

Andrew Clement, 2015. *Action-based compression of spatial memory for multiple nested environments*. University of Notre Dame.

*Senior Theses*

Joanne Kim, 2019. *The influence on music on gaze control*. Internal Funding: Institute for Scholarship in the Liberal Arts (\$1,800). Placement: Master of Science in Information, University of Michigan.

Erin Sullivan, 2019. *The rate of memory stabilization over time*. Internal Funding: Institute for Scholarship in the Liberal Arts (\$4,626). Placement: MD, Cleveland Clinic Lerner College of Medicine.

Gabriella Adams, 2018. *The perception of distance to threats*. Placement: DO, Kansas City University of Medicine and Biosciences.

Ryan O'Donnell, 2017. *The influence of semantic, spatial, and functional relationships among objects on the capacity of visual working memory*. University of Notre Dame. Published as: O'Donnell, R. E., Clement, A., & Brockmole, J. R. (2018). Semantic and functional relationships among objects increase the capacity of visual working memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 44, 1151-1158. Placement: Ph.D. in Psychology, Pennsylvania State University

Caitlin Sisk, 2017. *The special role of location in memory-driven attention allocation*. University of Notre Dame. Internal Funding: Institute for Scholarship in the Liberal Arts (\$375). Awards: John F. Santos Award for most outstanding graduating senior in psychology. Placement: Ph.D. in Psychology, University of Minnesota.

Robert McManus, 2016. *Using Eye Movements to Identify Periods of Mind Wandering During Real-World Scene Perception*. University of Notre Dame. Internal Funding: Institute for Scholarship in the Liberal Arts (\$3,130). Published as: Krasich, K., McManus, R., Hutt, S., Faber, M., D'Mello, S. K., & Brockmole, J. R. (2018). Gaze-based signatures of mind wandering during real-world scene processing. *Journal of Experimental Psychology: General*, 147, 1111-1124. Placement: Ph.D. in Psychology, North Dakota State University.

Shane Kelly, 2014. *Hand proximity differentially affects working memory for color and shape*. University of Notre Dame. Internal Funding: Institute for Scholarship in the Liberal Arts (\$3,100). Published as: Kelly, S. P., & Brockmole, J. R. (2014). Hand proximity differentially affects visual working memory for color and orientation in a binding task. *Frontiers in Psychology*, 5, Article 318. Awards: First Prize, Bernoulli Award for undergraduate research papers (all departments) that use statistical methods to analyze an applied problem. Placement: Ph.D. in Psychology, George Mason University.

Emily Ehrman, 2013. *Hand posture: Visual attention and learning*. University of Notre Dame. Internal Funding: Institute for Scholarship in the Liberal Arts (\$1,125). Placement: Master's in School Counseling, Butler University.

- Jennifer Rawding, 2013. *The effects of valence on eye-gaze and performance on relational memory tasks*. University of Notre Dame. Co-directed by Jessica Payne (Notre Dame). Internal Funding: Glynn Family Honors Program (\$2,250). Placement: Master's in Psychology, University of Chicago.
- Deborah Cronin, 2012. *Spatial reference frames, implied motion, and perceived animacy: Influences on Gaze*. University of Notre Dame. Internal Funding: Institute for Scholarship in the Liberal Arts (\$600). Published as: Cronin, D. A., & Brockmole, J. R. (2016). Evaluating the influence of a fixated object's spatio-temporal properties on gaze control. *Attention, Perception, & Psychophysics*, 78, 996-1003. Placement: Ph.D. in Psychology, University of Illinois at Urbana-Champaign.
- David Elliott, 2008. *Fluctuating asymmetry and its relation to cognitive function*. University of Edinburgh. Placement: Non-academic.
- Laura Elliott-Jones, 2008. *Fluctuating asymmetry: How is it related to mental functions?* University of Edinburgh. Placement: FC Business Intelligence (non-academic).
- Krista Ehinger, 2007. *Role of low- and high-spatial frequency information in real-world scene contextual cueing*. University of Edinburgh. Placement: Ph.D. in Cognitive Science, Massachusetts Institute of Technology.
- Julia Luther, 2007. *What causes cognitive suppression across saccadic eye movements?* University of Edinburgh. Placement: Non-academic.
- Georgina Ramage, 2007. *Feature bindings in visual working memory: Fragile or robust?* University of Edinburgh. Placement: Ernst & Young (non-academic).
- David Windisch, 2007. *Contextual cueing in CT scans: Expertise, meaning, and memory*. University of Edinburgh. Placement: Master's in Finance, Tilburg University (Netherlands).

### **External Doctoral Examiner**

- Jordana Wynn, 2020. *Gaze reinstatement supports relational memory in younger and older adults*. Univ. of Toronto, Canada.
- Davood Gozli, 2015. *Associative learning as a source of visual bias*. Univ. of Toronto, Canada.
- Claire Kirtley, 2014. *Perception and action weighting in memory representations*. Univ. of Dundee, Scotland.
- Maha Adamo, 2010. *The Nature of Working Memory: Separate, flexible resources for location- vs. feature-based representations in visual short-term memory*. Univ. of Toronto, Canada.

### **Internal Graduate Examination Committees**

#### *Doctoral Committees:*

- Abigail Csik Doolen, Expected 2021. Cognition, Brain, & Behavior Program
- Daniel Schor, Expected 2021. Cognition, Brain, & Behavior Program
- Jerry Fisher, 2020. Cognition, Brain, & Behavior Program

*Continued: Doctoral Committees*

Andrea Kalchik, 2019. Cognition, Brain, & Behavior Program  
Kristina Krasich, 2019 (Chair). Cognition, Brain, & Behavior Program  
Joseph Pauszek, 2019. Cognition, Brain, & Behavior Program  
Kathryn Ralph, 2019. Cognition, Brain, & Behavior Program  
Andrew Clement, 2018 (Chair). Cognition, Brain, & Behavior Program  
Jennifer Kolesari, 2018. Cognition, Brain, & Behavior Program  
Pedro Sztybel, 2017. Cognition, Brain, & Behavior Program  
Kyle Pettijohn, 2016. Cognition, Brain, & Behavior Program  
Elizabeth Hendriks, 2015. Clinical Psychology Program  
Alexis Thompson, 2014. Cognition, Brain, & Behavior Program  
Gregory Davis, 2014. Joint Psychology and Computer Science Program  
Jared Miller, 2013. Cognition, Brain, & Behavior Program  
Adam Biggs, 2012. Cognition, Brain, & Behavior Program

*Masters Committees:*

Sean Dageforde, Expected 2021 (Chair). Cognition, Brain, & Behavior Program  
Adam Goldstein, Expected 2021 (Chair). Cognition, Brain, & Behavior Program  
Abigail Csik, 2019. Cognition, Brain, & Behavior Program  
Joseph Pauszek, 2017. Cognition, Brain, & Behavior Program  
Connor O'Rear, 2017. Developmental Psychology Program  
Christopher Galeucia, 2016. Cognition, Brain, & Behavior Program  
Andrea Kalchik, 2016. Cognition, Brain, & Behavior Program  
Jennifer Kolesari, 2016. Cognition, Brain, & Behavior Program  
Kristina Krasich, 2016 (Chair). Cognition, Brain, & Behavior Program  
Andrew Clement, 2015 (Chair). Cognition, Brain, & Behavior Program  
Pedro Sztybel, 2015. Cognition, Brain, & Behavior Program  
Caroline Byrd, 2014. Developmental Psychology Program  
Alexis Thompson, 2013. Cognition, Brain, & Behavior Program  
Won Jae Shin, 2013. Cognition, Brain, & Behavior Program  
Jared Miller, 2011. Cognition, Brain, & Behavior Program

## **SERVICE AND ADMINISTRATIVE EXPERIENCE**

### **Academic Leadership**

Associate Dean for Research and Strategic Initiatives, College of Arts and Letters, University of Notre Dame; 2020 – Present.

Director, Institute for Scholarship in the Liberal Arts, University of Notre Dame; 2020 – Present.

Associate Dean for the Social Sciences and Research, College of Arts and Letters, University of Notre Dame; 2016 – Present

Acting Associate Dean for Undergraduate Studies, College of Arts and Letters, University of Notre Dame; 2013 – 2014.

Director of Graduate Studies, Department of Psychology, University of Notre Dame; 2011 – 2013.

Director, MSc. in Visual Cognition, School of Philosophy, Psychology, and Language Science, University of Edinburgh; 2008 – 2009.

### **University Service**

(Notre Dame unless otherwise noted)

#### *Current*

Covid-19 Task Forces on a) Instructional Continuity, b) Graduate Student Continuity, c) Research, d) Research Laboratory Operations; 2020

Conveners: Various Vice Presidents. Charges: To develop and implement university-level responses/strategies for operations affected by the global Covid-19 pandemic

Center for Social Science Research Advisory Committee; 2018 – Present

Convener: VP for Research. Charge: To maximize the benefits of the resources the CSSR offers to students, faculty, and staff to advance research in the social sciences.

Faculty Research Support Program – Regular Grant Committee; 2016 – Present

Convener: VP for Research. Charge: To evaluate and prioritize internal grant proposals to support outstanding research, scholarship, or creative endeavor up to \$100,000

Limited Submissions Review Committee; 2016 – Present

Convener: VP for Research. Charge: To internally evaluate research proposals for external funding opportunities that limit the number of submissions from institutions.

Graduate Studies Leadership Committee; 2016 – Present

Convener: Dean of the Graduate School. Charge: To advise the Dean on policy matters common to the Colleges/Schools regarding admissions, funding, and academic support.

Laboratory Safety Advisory Committee; 2016 – Present

Convener: Director of Risk Management. Charge: To create a research and teaching environment in which hazards are understood and the associated risks are minimized.

*Past University service*

Catalyst Seed Grants Task Force, Science of Wellness Initiative; 2018 – 2019

Convener: VP for Research. Charge: To develop and administer a seed grant program to support the University's developing investment in precision health/personalized medicine.

Center for Research Computing Advisory Committee; 2016 – 2018

Convener: VP for Research. Charge: To maximize the benefits of the resources the CRC offers to students, faculty, and staff to advance research through scientific computing.

Science and Engineering Research Council; 2016 – 2018

Convener: VP for Research. Charge: To develop and sustain strategic research initiatives, investments, and core facilities in science and engineering.

Ad Hoc Committee on the Evaluation of Teaching, Co-Chair; 2015 – 2017

Convener: Provost. Charge: To evaluate, establish, and promote best practices and procedures for the evaluation of teaching across the University.

Human Subjects Institutional Review Board; 2015 – 2016

Convener: University President. Charge: To safeguard the rights and welfare of all human subjects who participate in research.

Faculty Board on Athletics; 2014 – 2018

Convener: University President. Charge: To advise the President on educational issues related to intercollegiate athletics; ensure that the athletics program operates in consonance with University mission; promote the welfare and educational success of student-athletes.

Academic Code and Policy Committee; 2013 – 2014

Convener: Provost. Charge: To review and amend the Undergraduate Academic Code which regulates and governs progress toward and attainment of academic credit and degrees.

Academic Council; 2013 – 2014

Convener: University President. Charge: To determine policies and regulations of the University pertaining to admission, degree programs, graduation, and the Academic Articles.

Faculty Senate; 2010 – 2011

Convener: Chair of the Senate. Charge: To provide an assembly through which the Faculty can exercise a collective and independent voice in the governance of the University.

Senatus Academicus (University of Edinburgh); 2006 – 2009

Convener: University Principal. Charge: To direct, regulate, and promote the teaching and research of the University and to maintain the quality and standards of the University.

**College Service**

*Current*

Arts & Letters Financial Planning Working Group; 2020 – Present

Arts & Letters Priority Planning Team / Strategic Planning Committee; 2019 – Present

Notre Dame International Security Center Faculty Advisory Board; 2018 – Present

Arts & Letters College Council; 2016 – Present

Arts & Letters Executive Committee; 2016 – Present

Arts & Letters Faculty Search Request Review Committee; 2016 – Present

*Continued: Current College Service*

Arts & Letters Leave Committee; 2016 - Present

Arts & Letters Space Committee; 2016 – Present

Arts & Letters Committee on Non-Obligatory Promotions; 2016 - Present

*Past*

Committee on Undergraduate Programs in Global Affairs, Co-Chair; 2017 – 2018 (Arts & Letters and Keough School for Global Affairs)

Arts & Letters Diversity and Inclusion Coordinator; 2016 – 2018

Graduate School Technical Writing Focus Group; 2013 – 2015

Arts & Letters College Council; 2013 – 2014

Arts & Letters Executive Committee; 2013 – 2014

Arts & Letters Undergraduate Studies Committee, Chair; 2013 – 2014

Glynn Family Honors Program Advisory Board; 2013 – 2014

**Department Service**

(Notre Dame Department of Psychology unless otherwise noted)

Undergraduate Studies Committee; 2014 - 2016

Corbett Family Hall Architecture and Design Committee; 2013 – 2016

Committee on Appointments and Promotions; 2011 – 2013

Graduate Studies Committee; 2010 – 2013, Chair 2011 – 2013

Website Committee; 2010 – 2011

Publicity and Events Committee, Chair; 2009 – 2010

Colloquium Committee, 2009 – 2010

Research Committee (PPLS, Edinburgh); 2007 – 2009

**National Service**

Editor-In-Chief: *Psychonomic Bulletin & Review*, IF 3.901 (2020 - Present)

Associate Editor: 1. *Attention, Perception, & Psychophysics*, IF: 2.168 (2015 – 2016)  
2. *Journal of Experimental Psychology: Human Perception and Performance*, IF = 3.358 (2011 - 2013)

Consulting Editor: 1. *Visual Cognition*, IF: 1.921 (2006 – Present)  
2. *Journal of Experimental Psychology: General*, IF: 5.929 (2008 – 2013)  
3. *Attention, Perception, & Psychophysics*, IF: 2.168 (2009 – 2014)

*Continued: Past National Service*

- Guest Editor:
1. 2017 Special Issue of *Journal of Experimental Psychology: Human Perception and Performance* commemorating 125 years (with S. Becker, M. Castelhano, S. Creem-Regehr, J. Enns, R. Gray, H. Hecht, B. Juhasz, J. Philbeck, & G. Woodman).
  2. 2009 Special Issue of *Visual Cognition* on Binding (with S. Franconeri)
- Review Panels / Study Sections
- 2019 – 2020 National Academies Panel on Review of Extramural Basic Research at the Army Research Laboratory
  - 2018 National Academies Panel on In-House Laboratory Independent Research in the Life Sciences at the Army’s Research, Development, and Engineering Centers (RDECs)
  - 2016 National Science Foundation Graduate Research Fellowship Program (Psychology Panel 2)
- Associations:
- 2013 – 2014 Strategic Plan Implementation Committee, Psychonomic Society