

CURRICULUM VITA**Shaun P. Vecera**

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EDUCATIONAL AND PROFESSIONAL HISTORY**Higher Education**

Institution	Dates Attended	Field	Degree	Date
Carnegie Mellon University	1990-1995	Psychology	Ph.D.	1995
Carnegie Mellon University	1990-1995	Psychology	M.S.	1992
University of Oregon	1988-1990	Psychology	B.S.	1990

Professional and Academic Positions

Title	Dates of Service	Institution
Director, Honors Program	2021-present	University of Iowa
Director, Learning at Iowa	2021-present	University of Iowa
Herman J. & Eileen S. Schmidt Chair for Excellence in Undergraduate Education	2016-2021	University of Iowa
Professor	2007-present	University of Iowa
Associate Professor	2002-2007	University of Iowa
Assistant Professor	1998-2002	University of Iowa
Assistant Professor	1995-1998	University of Utah
Graduate Research Assistant	1990-1995	Carnegie Mellon University

Honors and Awards

Lola Lopes Award for Undergraduate Student Advocacy, University of Iowa, 2025
Award for Outstanding First-Generation Student Advocacy, University of Iowa, 2019
Honors Program Teaching Award, University of Iowa, 2019
President & Provost Award for Teaching Excellence, University of Iowa, 2018
Career Development Award, University of Iowa, 2017
Miller Teaching Scholar, University College, University of Iowa, 2010
University of Iowa nominee for Carnegie Professor of the Year Teaching Award, 2009
Faculty Scholar Award, University of Iowa, 2008-2010
College of Liberal Arts & Sciences Collegiate Teaching Award, 2005
Commencement speaker, College of Liberal Arts & Sciences, 2005
Career Development Award, University of Iowa, 2004
Old Gold Summer Fellowship, University of Iowa, 1999, 2000
"Best Lecturer" Teaching Award, Department of Psychology, University of Utah, 1996
American Psychological Association Dissertation Award, 1995
CMU Graduate Student Teaching Award Finalist, 1994
Marr Prize for Graduate Student Research, Cognitive Science Society, 1993
American Psychological Society Student Caucus Research Competition Winner, 1992
Sigma Xi Grants-in-Aid of Research Award, 1992, 1993

Memberships

Member, Psychonomic Society
Member, Spatial Intelligence and Learning Center Spatial Network
Member, Association for Psychological Science (APS)

TEACHING AT THE UNIVERSITY OF IOWA**Teaching assignments by semester [most to least recent]**

<u>Course</u>	<u>Title</u>	<u>Semester</u>
PSY:1010	Learning About Learning (2 sections)	Spring 2025
HONR:2050	Honors Contract Project	Spring 2025
CSI:2021	First-Gen Hawks Seminar	Fall 2024
PSY:1010	Learning About Learning (2 sections)	Fall 2024
PSY:1000	Honors First-Year Seminar “How Psychology Can Save the Planet”	Fall 2024
HONR:2050	Honors Contract Project	Fall 2024
PSY:1010	Learning About Learning (2 sections)	Spring 2024
HONR:2050	Honors Contract Project	Spring 2024
CSI:2021	First-Gen Hawks Seminar	Fall 2023
PSY:1010	Learning About Learning (2 sections)	Fall 2023
PSY:1000	Honors First-Year Seminar “How Psychology Can Save the Planet”	Fall 2023
HONR:1100	Honors Primetime	Fall 2023
HONR:2050	Honors Contract Project	Fall 2023
CSI:2021	First-Gen Hawks Seminar	Fall 2022
PSY:1010	Learning About Learning (2 sections)	Fall 2022
PSY:1000	Honors First-Year Seminar “How Psychology Can Save the Planet”	Fall 2022
PSY:1010	Learning About Learning	Spring 2022
HONR:1010	Honors Seminar for Presidential Scholars	Spring 2022
PSY:1010	Learning About Learning (2 sections)	Fall 2021
HONR:1300	Honors First-Year Seminar “How Psychology Can Save the Planet”	Fall 2021
PSY:1010	Learning About Learning (4 sections)	Spring 2021
PSY:1010	Learning About Learning (2 sections)	Fall 2020
HONR:1300	Honors First-Year Seminar “How Psychology Can Save the Planet”	Fall 2020
PSY:1010	Learning About Learning (2 sections)	Spring 2020
PSY:1001	Elementary Psychology	Fall 2019
PSY:1010	Learning About Learning (2 sections)	Fall 2019
HONR:1300	Honors First-Year Seminar “How Psychology Can Save the Planet”	Fall 2019
PSY:1001	Elementary Psychology	Fall 2018
PSY:1010	Learning About Learning (2 sections)	Fall 2018
HONR:1300	Honors First-Year Seminar “How Psychology Can Save the Planet”	Fall 2017
PSY:1010	Learning About Learning (2 sections)	Fall 2017
HONR:1300	Honors First-Year Seminar “How Psychology Can Save the Planet”	Fall 2017
Career Development Award, University of Iowa		Spring 2017
PSY:3998	Individual Readings & Projects “How Psychology Can Save the Planet”	Spring 2017
PSY:1001	Elementary Psychology	Fall 2016
HONR:1300	Honors First-Year Seminar “How Psychology Can Save the Planet”	Fall 2016
PSY:6640	Visual Perception (co-taught w/ Hollingworth & Moore)	Spring 2016
PSY:3998	Individual Readings & Projects “How Psychology Can Save the Planet”	Spring 2016
HONR:1300	Honors First-Year Seminar “How Psychology Can Save the Planet”	Fall 2015
31:001	Elementary Psychology	Fall 2014
143:030:014	Honors Elementary Psychology	Fall 2014

31:001	Elementary Psychology	Fall 2013
31:001	Honors Discussion Section, Elementary Psychology	Fall 2013
31:227	Attention	Fall 2012
31:001	Elementary Psychology	Spring 2012
Faculty Scholar Award, University of Iowa		Fall 2011
31:001	Elementary Psychology	Spring 2011
Faculty Scholar Award, University of Iowa		Spring 2010
31:001	Elementary Psychology	Fall 2009
Faculty Scholar Award, University of Iowa		Spring 2009
31:001	Elementary Psychology	Fall 2008
31:001	Elementary Psychology	Spring 2008
31:195	Honors proseminar in psychology	Spring 2007
31:001	Elementary Psychology	Fall 2006
31:195	Honors proseminar in psychology	Fall 2006
31:226	Visual Perception (co-taught w/ Luck)	Spring 2006
31:195	Honors proseminar in psychology	Spring 2006
31:195	Honors proseminar in psychology	Fall 2005
31:001	Elementary Psychology	Spring 2005
Career Development Award, University of Iowa		Fall 2004
31:227	Attention (co-taught w/ Luck)	Spring 2004
31:001	Elementary Psychology	Fall 2003
31:029	First year seminar: Parapsychology & skeptical inquiry	Fall 2002
31:043	Evaluating Psychological Research	Fall 2002
31:001	Elementary Psychology	Spring 2002
31:338	Seminar in Behavioral & Cognitive Neuroscience	Fall 2001
31:226	Visual Perception (co-taught w/ Luck)	Spring 2001
31:001	Elementary Psychology	Fall 2000
31:134	Cognition and the Brain	Spring 2000
31:043	Evaluating Psychological Research	Spring 2000
31:043	Evaluating Psychological Research	Fall 1999
31:330	Seminar in Visual Cognition	Spring 1999
31:043	Evaluating Psychological Research	Spring 1999
31:043	Evaluating Psychological Research	Fall 1998

**TEACHING EVALUATIONS (MEDIAN ACE SUMMARY SCORES; MEANS IN PARENTHESES)
(Classes since Spring 2023)**

Notes: Ratings are on a 1 (low) to 6 (high) scale, where 1 = “strongly disagree” and 6 = “strongly agree.”

Class, Term, & # Responses	Instructor used class time well.	Instructor communicated course material clearly.	Teaching methods helped students learn.	Assignments, readings, activities facilitated learning	Assessments aligned with course objectives	Help was available for students
First-Gen Hawks Seminar Fall 2024 7/20 reporting	4.9 (5)	5.0 (6)	4.9 (5)	4.3 (5)	4.1 (4)	4.7 (5)
Honors Primetime Fall 2024 2/22 reporting	6.0 (6)	6.0 (6)	6.0 (6)	6.0 (6)	6.0 (6)	6.0 (6)
First-Year Seminar (PSY:1000) Fall 2024 7/21 reporting	5.4 (5)	5.3 (5)	5.3 (5)	5.3 (5)	5.4 (5)	5.6 (6)

Honors Contract Project (HONR:2050) Fall 2024 3/15 reporting	5.7 (6)	5.7 (6)	5.7 (6)	5.5 (6)	6.0 (6)	6.0 (6)
Learning About Learning (A) Fall 2024 13/142 reporting	5.8 (6)	5.8 (6)	5.7 (6)	5.6 (6)	5.7 (6)	5.7 (6)
Learning About Learning (B) Fall 2024 26/162 reporting	5.5 (6)	5.5 (6)	5.5 (6)	5.5 (6)	5.6 (6)	5.6 (6)
Learning About Learning (A) Spring 2024 32/151 reporting	5.3 (6)	5.3 (6)	5.3 (6)	5.3 (6)	5.4 (6)	5.3 (6)
Learning About Learning (B) Spring 2024 18/165 reporting	5.2 (6)	4.9 (5)	5.1 (5)	5.1 (5)	5.2 (5)	5.2 (5)
Honors Contract Project (HONR:2050) Fall 2024 2/10 reporting	5.5 (6)	5.5 (6)	5.5 (6)	6.0 (5.8)	6.0 (6.0)	6.0 (6.0)

Written comments from students available upon request.

Graduate Students and Honors Thesis Students Supervised (since 2010)

Degree objective	Student name	Years	Outcome
Ph.D.	Nicole Plantier	2018-present	In progress (passed comps F2020)
	Brad Stilwell	2015-2020	Ph.D.
	Hannah Wyland	2014-2016	M.S.
	Dan Vatterott	2010-2015	Ph.D.
	Zach Roper	2009-2015	Ph.D.
	Josh Cosman	2006-2011	Ph.D. (Neuroscience)
Honors theses	Margaret Steimel	2021-2023	B.S.
	Eli Schmidt	2017-2019	B.S.
	Lauren Kennedy	2015-2017	B.S.
	Ann Walsh	2015-2017	B.S.
	Mia Branson	2008-2010	B.A.

SCHOLARSHIP [MOST TO LEAST RECENT]

For multi-authored work:

*=senior author, major contribution

**=secondary contribution

***=equal contribution

PEER-REVIEWED JOURNAL ARTICLES (since 2010)

*Stilwell, B. T., & Vecera, S. P. (2023). Learned distractor rejection persists across target search in a different dimension. *Attention, Perception, & Psychophysics*, 85(3), 785-795. doi: 10.3758/s13414-022- 02559-3

- *Stilwell, B. T., & Vecera, S. P. (2022). Testing the underlying processes leading to learned distractor rejection: Learned oculomotor avoidance. *Attention, Perception, & Psychophysics*, *84*(6), 1964-1981. doi: 10.3758/s13414-022-02483-6
- *Stilwell, B. T., & Vecera, S. P. (2020). Learned distractor rejection in the face of strong target guidance. *Journal of Experimental Psychology: Human Perception and Performance*, *46*(9), 926-941. doi: 10.1037/xhp0000757
- *Stilwell, B. T., Bahle, B., & Vecera, S. P. (2019). Feature-based statistical regularities of distractors modulate attentional capture. *Journal of Experimental Psychology: Human Perception and Performance*, *45*(3), 419-433. doi: 10.1037/xhp0000613
- *Stilwell, B. T., & Vecera, S. P. (2019). Cued distractor rejection disrupts learned distractor rejection. *Visual Cognition*, *1*-16. doi: 10.1080/13506285.2018.1564808
- *Stilwell, B. T., & Vecera, S. P. (2019). Learned and cued distractor rejection for multiple features in visual search. *Attention, Perception, & Psychophysics*, *81*(2), 359-376. doi: 10.3758/s13414-018-1622-8
- *Vatterott, D. B., Mozer, M. C., & Vecera, S. P. (2018). Rejecting salient distractors: Generalization from experience. *Attention, Perception, & Psychophysics*, *80*(2), 485-499. doi: 10.3758/s13414-017-1465-8
- *Lester, B. D., & Vecera, S. P. (2018). Active listening delays attentional disengagement and saccadic eye movements. *Psychonomic Bulletin & Review*, *25*(3), 1021-1027. doi: 10.3758/s13423-017-1310-z
- *Wyland, H., & Vecera, S. P. (2017). Goal-directed attentional selection: Limitations from input variables, not imprecision. *Journal of Experimental Psychology: Human Perception and Performance*, *43*(1), 169-180. doi:10.1037/xhp0000287
- **Attarha, M., Moore, C. M., & Vecera, S. P. (2016). The time-limited visual statistician. *Journal of Experimental Psychology: Human Perception and Performance*, *42*(10), 1497-1504. doi: 10.1037/xhp0000255
- *Cosman, J. D., Mordkoff, J. T., & Vecera, S. P. (2016). Stimulus recognition occurs under high perceptual load: Evidence from correlated flankers. *Journal of Experimental Psychology: Human Perception and Performance*, *42*(12), 2077-2083. doi:10.1037/xhp0000278
- *Hecht, L. N., Cosman, J. D., & Vecera, S. P. (2016). Enhanced spatial resolution on figures versus grounds. *Attention, Perception, & Psychophysics*, *78*(5), 1444-1452. doi: 10.3758/s13414-016-1099-2
- *Roper, Z. J. J., & Vecera, S. P. (2016). Funny money: The attentional role of feedback detached from expected value. *Attention, Perception, & Psychophysics*, *78*(7), 2199-2212. doi: 10.3758/s13414-016-1147-y
- **Ross-Sheehy, S., Perone, S., Vecera, S. P., & Oakes, L. M. (2016). The relationship between sitting and the use of symmetry as a cue to figure-ground assignment in 6.5-month-old infants. *Frontiers in Psychology*, *7*:759. doi: 10.3389/fpsyg.2016.00759
- *Bush, W. S., & Vecera, S. P. (2016). Hand position biases processing toward task irrelevant flankers. *Journal of Experimental Psychology: Human Perception and Performance*, *42*(2), 151-157. <http://dx.doi.org/10.1037/xhp0000104>
- **Hecht, L. N., Spencer, J. P., & Vecera, S. P. (2015). A dynamic neural field model of temporal order judgments. *Journal of Experimental Psychology: Human Perception and Performance*.
- *Vatterott, D. B., & Vecera, S. P. (2015). The attentional window configures to object and surface boundaries. *Visual Cognition*. doi: 10.1080/13506285.2015.1054454
- *Hecht, L. N., & Vecera, S. P. (2014). Temporal resolution of figures and grounds. *Acta Psychologica*, *147*, 147-151. doi:10.1016/j.actpsy.2013.06.010
- **Matsukura, M., Cosman, J. D., Roper, Z. J. J., Vatterott, D. B., & Vecera, S. P. (2014). Location-specific effects of attention during visual short-term memory maintenance. *Journal of Experimental Psychology: Human Perception and Performance*, *40*(3), 1103-1116. doi:10.1037/a0035685
- *Roper, Z. J. J., Vecera, S. P., & Vaidya, J. G. (2014). Value-driven attentional capture in adolescence. *Psychological Science*, *25*(11), 1987-1993. doi: 10.1177/0956797614545654
- Vecera, S. P., Cosman, J. D., Roper, Z. J. J., & Vatterott, D. B. (2014). The control of visual attention: Toward a unified account. *Psychology of Learning and Motivation*, *60*, 303-347. doi:10.1016/B978-0-12-800090-8.00008-1
- *Zhao, L., Cosman, J. D., Vatterott, D. B., Gupta, P., & Vecera, S. P. (2014). Visual statistical learning can drive object-based attentional selection. *Attention, Perception, & Psychophysics*, *76*(8), 2240-2248. doi: 10.3758/s13414-014-0708-1

- **Attarha, M., Moore, C. M., & Vecera, S. P. (2014). Summary statistics of size: Fixed processing capacity for multiple ensembles but unlimited processing capacity for single ensembles. *Journal of Experimental Psychology: Human Perception and Performance*, 40(4), 1440-1449. doi:10.1037/a0036206
- ***Bush, W. S., & Vecera, S. P. (2014). Differential effect of one versus two hands on visual processing. *Cognition*, 133(1), 232-237. doi:10.1016/j.cognition.2014.06.014
- *Cosman, J. D., & Vecera, S. P. (2014). Establishment of an attentional set via statistical learning. *Journal of Experimental Psychology: Human Perception and Performance*, 40, 1-6. doi: 10.1037/a0034489
- *Cosman, J. D., & Vecera, S. P. (2013). Context-dependent control over attentional capture. *Journal of Experimental Psychology: Human Perception and Performance*, 39, 836-848. doi: 10.1037/a0030027
- *Cosman, J. D., & Vecera, S. P. (2013). Learned control over distraction is disrupted in amnesia. *Psychological Science*, 24(8), 1585-1590. doi: 10.1177/0956797613475632
- *Roper, Z. J. J., Cosman, J. D., & Vecera, S. P. (2013). Perceptual load corresponds with factors known to influence visual search. *Journal of Experimental Psychology: Human Perception and Performance*, 39, 1340-1351. doi: 10.1037/a0031616
- *Roper, Z. J. J., & Vecera, S. P. (2014). Visual short-term memory load strengthens selective attention. *Psychonomic Bulletin & Review*. 21(2), 549-556. doi: 10.3758/s13423-013-0503-3
- Rusch, M. L., Schall, M. C., Gavin, P., Lee, J. D., Dawson, J. D., Vecera, S., & Rizzo, M. (2013). Directing driver attention with augmented reality cues. *Transportation Research. Part F, Traffic Psychology and Behaviour*, 16, 127-137. doi:10.1016/j.trf.2012.08.007
- *Roper, Z. J. J., & Vecera, S. P. (2013). Response terminated displays unload selective attention. *Frontiers in Psychology*, 4, 967. doi: 10.3389/fpsyg.2013.00967
- *Vatterott, D. B., & Vecera, S. P. (2013). Prolonged disengagement from distractors near the hand. *Frontiers in Psychology*, 4, 533. doi: 10.3389/fpsyg.2013.00533
- *Cosman, J. D., & Vecera, S. P. (2012). Object-based attention overrides perceptual load to modulate visual distraction. *Journal of Experimental Psychology: Human Perception and Performance*, 38, 576-579. doi: 10.1037/a0027406
- *Roper, Z. J. J., & Vecera, S. P. (2012). Searching for two things at once: Establishment of multiple attentional control settings on a trial-by-trial basis. *Psychonomic Bulletin & Review*, 19(6), 1114-1121. doi: 10.3758/s13423-012-0297-8
- *Cosman, J. D., Lees, M. N., Lee, J. D., Rizzo, M., & Vecera, S. P. (2012). Age-related useful field of view impairments are associated with an inefficient ability to disengage attention. *Journals of Gerontology: Psychological Science*. doi: 10.1093/geronb/gbr116
- Note: The above paper appeared as an “Editor’s Choice,” which highlights cutting-edge research appearing in journals published by the Gerontological Society of America**
- *Cosman, J. D., Lees, M. N., Lee, J. D., Rizzo, M., & Vecera, S. P. (2012). Visual search for features and conjunctions following declines in the useful field of view. *Experimental Aging Research*, 38, 411-421.
- *Vatterott, D. B., & Vecera, S. P. (2012). Experience dependent attentional tuning of distractor rejection. *Psychonomic Bulletin & Review*, 19(5), 871-878. doi: 10.3758/s13423-012-0280-4
- *Lee, H., Mozer, M. C., Kramer, A. F., & Vecera, S. P. (2012). Object-based control of attention is sensitive to recent experience. *Journal of Experimental Psychology: Human Perception and Performance*, 38(2), 314-325. doi: 10.1037/a0025597
- **Hollingworth, A., Maxcey-Richard, A. M., & Vecera, S. P. (2012). The spatial distribution of attention within and across objects. *Journal of Experimental Psychology: Human Perception and Performance*, 38(1), 135-151. doi: 10.1037/a0024463
- *Cosman, J. D., & Vecera, S. P. (2011). The contents of visual working memory reduce uncertainty during visual search. *Attention, Perception, & Psychophysics*, 73, 996-1002. doi: 10.3758/s13414-011-0093-y
- *Hecht, L. N., & Vecera, S. P. (2011). Delayed offset detection on figures relative to backgrounds. *Journal of Vision*, 11(13), article 15. doi: 10.1167/11.13.15
- *Matsukura, M. & Vecera, S. P. (2011). Object-based selection from spatially-invariant representations: Evidence from a feature-report task. *Attention, Perception, & Psychophysics*, 73, 447-457.

- **Woodman, G. F., & Vecera, S. P. (2011). The cost of accessing an object's features stored in visual working memory. *Visual Cognition, 19*, 1-12.
- *Cosman, J. D., & Vecera, S. P. (2010). Attention affects visual perceptual processing near the hand. *Psychological Science, 21*, 1254-1258.
- Cosman, J. D., & Vecera, S. P. (2010). Attentional capture under high perceptual load. *Psychonomic Bulletin & Review, 17*, 815-820
- *Cosman, J. D., & Vecera, S. P. (2010). Attentional capture by motion onsets is modulated by perceptual load. *Attention, Perception, & Psychophysics, 72*, 2096-2105.
- **Castro, L., Lazareva, O. F., Vecera, S. P., & Wasserman, E. A. (2010). Changes in area affect figure-ground assignment in pigeons. *Vision Research, 50*, 497-508.
- *Lee, H., & Vecera, S. P. (2010). Spatial short-term memory assists in maintaining occluded objects. *Psychonomic Bulletin & Review, 17*, 846-852.

BOOK CHAPTERS

- Lester, B. D., Vatterott, D. N., & Vecera, S. P. (2018). Attention and processing speed. In M. Rizzo (Ed.), *Wiley Handbook of the Aging Mind and Brain*.
- Vecera, S. P. (2012). Postscript: Why comparative studies of vision matter. In O. Lazareva, T. Shimizu, & E. Wasserman (Eds.), *How Animals See the World*. New York: Oxford University Press.
- *Vecera, S. P., & Lee, H. (2009). Vision: Cognitive influences. In B. Goldstein (Ed.), *Encyclopedia of Perception*. Thousand Oaks, CA: Sage.
- **Mozer, M.C., Shettel, M., & Vecera, S. P. (2006). Control of visual attention: A rational account. In Y. Weiss, B. Schoelkopf, & J. Platt (Eds.), *Neural Information Processing Systems 18* (pp. 923-930). Cambridge, MA: MIT Press.
- **Lazareva, O.F., Levin, J. I., Vecera, S. P., & Wasserman, E. A. (2006). The search for object-based attention in pigeons: Failure and success. In K. Fujita & S. Itakura (Eds.), *Diversity of cognition*. Kyoto: Kyoto University Academic Press, pp. 3-37.
- **Mozer, M. C., & Vecera, S. P. (2005). Object- and space-based attention. In L. Itti, G. Rees, & J. Tsotsos (Eds.), *Neurobiology of attention* (pp. 130-134). New York: Elsevier.
- *Vecera, S. P., & Rizzo, M. (2004). Visual attention and visual short-term memory in Alzheimer's disease. In A. Cronin-Golomb & P. R. Hof (Eds.), *Vision in Alzheimer's disease* (pp. 248-270). Basel, Switzerland: Karger.
- *Vecera, S. P., & Rizzo, M. (2004). Attention: Normal and disordered processes. In M. Rizzo & P. J. Eslinger (Eds.), *Principles and practice of behavioral neurology and neuropsychology* (pp. 223-245). New York: Saunders.
- **Luck, S. J., & Vecera, S. P. (2002). Attention: From tasks to mechanisms. In S. Yantis (Ed.), *Stevens' handbook of experimental psychology: Volume 1. Sensation and perception* (pp. 235-286). New York: Wiley.
- ***Vecera, S. P., & Luck, S. J. (2002). Attention. In V. S. Ramachandran (Ed.), *Encyclopedia of the human brain, Volume 1* (pp. 269-284). San Diego: Academic Press.
- ***Vecera, S. P., & Behrmann, M. (2001). Attention and unit formation: A biased competition account of object-based attention. In T. Shipley & P. Kellman (Eds.), *From fragments to objects* (pp. 145-180). New York: Elsevier.
- **Johnston, W. A., Strayer, D. L., & Vecera, S. P. (1998). Dynamic systems, ecosystems, and broad and narrow minds. In J. S. Jordan (Ed.), *Systems theories and a priori aspects of perception* (pp. 87-103). Amsterdam: Elsevier.
- **Farah, M. J., O'Reilly, R. C., & Vecera, S. P. (1997). The neural correlates of perceptual awareness: Evidence from covert recognition in prosopagnosia. In J. Cohen & J. Schooler (Eds.), *Scientific approaches to the question of consciousness*, (pp. 357-371). Mahwah, NJ: Erlbaum
- **Farah, M. J., Wallace, M. A., & Vecera, S. P. (1993). "What" and "where" in visual attention: Evidence from the neglect syndrome. In I. A. Robertson & J. C. Marshall(Eds.), *Unilateral neglect: Clinical and experimental studies* (pp. 123-137). Hove, UK: Erlbaum.
- **Johnson, M. H., & Vecera, S. P. (1993). Cortical parcellation and the development of face processing. In B. deBoysson-Bardies, S. deSchonen, P. Juszyk, P. McNeilage, & J. Morton (Eds.), *Developmental Neurocognition: Speech and Face Processing in the First Year of Life*. Dordrecht, Netherlands: Kluwer.

OTHER (PUBLISHED)

25 entries that were published as “News from the Field” briefings in *Attention, Perception, & Psychophysics* from 2009-2013.

GRANTS**External (Funded and Submitted)**

- “Incorporation of Evidence-Based Strategies from Cognitive Science to Enhance Student Success in Engineering: the 3Ms - Mindset, Metacognition, and Memory,” \$399,480 total award (2024-2027), Jennifer Fiegel, Chemical and Biochemical Engineering, PI, Shaun P. Vecera, Co-PI, National Science Foundation
- “Cognitive Chemistry: Metacognitive Training for Promoting Effective Learning in Chemistry,” revision submitted, under revision (2025). Renee Cole, Chemistry, PI, Shaun P. Vecera, Co-PI, National Science Foundation
- “Effects of Cognitive Load on Takeover Requests in Conditionally Automated Driving,” awarded (2021). Shaun P. Vecera, PI, SAFER-SIM funding program, University of Iowa
- “Covid-19 and Online Instruction: Implications for Sense of Belonging in First-Generation College Students,” submitted, not funded (2020). Shaun P. Vecera, PI, Spencer Foundation
- “Metacognitive Training to Support Learning and Increase Persistence in First-Generation College Students,” submitted, not funded (2019, revision submitted 2020). Shaun P. Vecera, PI, Spencer Foundation
- “Extended evaluation of training programs to accelerate hazard anticipation skills in novice teen drivers,” awarded. Dan McGehee, PI, 2018-2020, AAA Foundation for Traffic Safety
- “Delays in attentional disengagement during driving,” unfunded. Shaun P. Vecera, PI. SAFER-SIM funding program, University of Iowa
- “Assessment of a training program to accelerate hazard anticipation skills in novice teen drivers,” awarded. Dan McGehee, PI, 2018-2020, SAFER-SIM funding program, University of Iowa
- “Putting the driver back into driving safety to prevent injury across the lifespan” scored but unfunded, National Institutes of Health, Nazan Aksan, PI, Shaun P. Vecera, Co-PI.
- “Putting the driver back into driving safety to prevent injury across the lifespan” scored and revision submitted, National Institutes of Health, Nazan Aksan, PI, Shaun P. Vecera, Co-PI.
- “Socioaffective contributions to adolescent reward bias” under revision, Jatin G. Vaidya, PI, Shaun P. Vecera, Co-PI.
- “Proposal to State Farm on engaged driving” multi-site research proposal to State Farm Insurance Company, pending funding, McGeeHee, Vecera, Aksan, Iowa investigators. Funding program cut.
- “Embodied Attention: Attentional Guidance by Body Position and Proprioception” National Science Foundation, 2012-2016, (\$452,552 anticipated total costs), Shaun P. Vecera, PI, Catherine Reed, Co-PI, J. Toby Mordkoff, Co-PI.
- “Measuring Unintended Consequences of In-Vehicle Technologies on Older Driver Safety” Toyota Motor Corporation, 2012-2014, Matthew Rizzo, PI, Shaun P. Vecera, Steven Anderson, & Jeffrey Dawson, Co-investigators.
- “Identification and training of visually impaired older drivers” Nissan Motor Corporation, 2010-present, Matthew Rizzo, Shaun P. Vecera, & Jeffrey Dawson, Co-Investigators.
- “In-Car Technology to Alert Attention-Impaired Drivers” National Institutes of Health, 2006-2011, (\$1,726,102 total costs) Matthew Rizzo, PI, Shaun P. Vecera, Co-Investigator.
- “Collaborative Research: Control and Adaptation of Attentional Processing: Empirical and Computational Investigations” National Science Foundation 2004-2008, (\$194,000 total costs), Shaun P. Vecera, PI.
- “Figure-Ground Segregation and Self Sitting in Infancy” National Institutes of Health, 2004-2006 (\$147,000 total costs), Lisa M. Oakes, PI, Shaun P. Vecera, Co-Investigator.
- “Selective Attention to the Parts of an Object,” NIMH 1 R03 MH60636-01A1, National Institute of Mental Health MH60636, 2000-2003, (\$147,000 total costs), Shaun P. Vecera, PI.

“Cognitive and Neural Mechanisms of Figure-Ground Segregation,” National Science Foundation BCS 99-10727, 1999-2003 (\$182,000 total costs), Shaun P. Vecera, PI, Steven J. Luck, Co-Investigator.

Internal (Funded and Submitted)

“A campus-wide Learning@Iowa framework to increase students’ academic success” University P3 Project, 2021-2024, Shaun P. Vecera, PI/director.

“Hawkeye introductory courses” University P3 Project, 2020-2021, Cornelia Lang, PI/director, Shaun P. Vecera, co-PI/director.

INVITED LECTURES, WORKSHOPS, AND CONFERENCE PRESENTATIONS

(Since 2010)

Chronicle of Higher Education Virtual Forum on Meaningful Classroom Engagement (2023)

Georgetown University, Summer Institute on Equity in the Academic Experience (2023)

University of Nebraska, Lincoln, Department of Psychology (2019)

University of Nebraska Medical Center, Department of Neurology (2015)

University of Illinois, Department of Psychology (2015)

The Ohio State University, Department of Psychology (2013)

University of Nevada, Reno, Department of Psychology (2013)

North Dakota State University, Center for Visual and Cognitive Neuroscience (2012)

Illinois State University, Department of Psychology (2011)

Notre Dame University, Department of Psychology (2010)

St. Olaf University, Midbrains Neuroscience Conference (2010)

CONFERENCE PRESENTATIONS (since 2015)

Levtov, A., Atcher, J., Hines, & Vecera, S. (2024, October) *Learning how to learn: Preparing STEM students to become more effective learners*. Talk presented at NACADA Annual Conference, Pittsburgh, PA.

Levtov, A., Aranda, K., Ledferd, B., & Vecera, S. (2023, November). *Creating the connection: The role of residence life in supporting student academic success*. Talk presented to Upper Midwest Region – ACUHO Annual Conference, Iowa City, IA.

Atcher, J., Hines, J., Levtov, A., & Vecera, S. (2023, June). *Developing effective learners: A cross-campus initiative to support STEM student success*. Talk presented at NASPA Conferences on Student Success in Higher Education, Kansas City, MO.

Vecera, S., & Levtov, A. (2023, June). *Learning at Iowa: Successes and challenges in developing a campus-wide learning framework for student success*. Talk presented at Gardner Symposium on Transforming the Foundational Postsecondary Experience, Asheville, NC.

Plantier, N. G., & Vecera, S. P. (2019 November). *The relationship between attentional control settings and the spatial gradient of attention*. Poster presented at the 60th Annual Meeting of the Psychonomic Society, Montreal, Quebec.

Vecera, S. P., & Stilwell, B. T. (2019 November). *Learned distractor rejection in the face of target template guidance*. Talk presented at the 60th Annual Meeting of the Psychonomic Society, Montreal, Quebec.

Stilwell, B. T. & Vecera, S. P. (2019 May). *Learned distractor rejection during strong target guidance*. Talk presented at the 19th Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL.

Stilwell, B. T., Bahle, B., & Vecera, S. P. (2018 November). *Distractor rejection via location-based and feature-based statistical regularities*. Poster presented at the 59th Annual Meeting of the Psychonomic Society, New Orleans, LA.

Stilwell, B. T., & Vecera, S. P. (2017 November). *The interaction between explicitly cued and experience-dependent distractor rejection on visual attention*. Poster presented at the 58th Annual Meeting of the Psychonomic Society, Vancouver, BC.

Stilwell, B. T., Roper, Z., & Vecera, S. P. (2016 November). *Value-driven contingent attentional capture is not solely due to target repetition effects*. Poster presented at the 57th Annual Meeting of the Psychonomic Society, Boston MA.

- Matsukura, M., & Vecera, S. P. (2016 November). *Memory-level attention is sensitive to visual eccentricities*. Talk presented at the 57th Annual Meeting of the Psychonomic Society, Boston MA.
- Reed, C., Vyas, D., Garza, J., Bush, W., & Vecera, S. P. (2016 May). *Proprioceptive influences on the processing of visual targets: An ERP study*. Poster presented at the 16th Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Wyland, H. C., & Vecera, S. P. (2016, May). *A gradient for the target template in feature-based attention*. Poster presented at the 16th Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Matsukura, M., & Vecera, S. P. (2015, November). *Memory-level attentional control: When a to-be-redirected location is uncertain*. Talk presented at the 56th Annual Meeting of the Psychonomic Society, Chicago IL.
- Reed, C., Bush, W., Daivik, V., & Vecera, S. P. (2015, November). *Does hand function bias the neural processing of visual targets? An ERP study*. Poster presented at the 56th Annual Meeting of the Psychonomic Society, Chicago IL.
- Roper, Z. J. J., & Vecera, S. P. (2015, November). *Value-driven attentional capture by images of money*. Talk presented at the 56th Annual Meeting of the Psychonomic Society, Chicago IL.
- Wyland, H. C., & Vecera, S. P. (2015, May). *Target template precision is unaffected by target-distractor similarity*. Poster presented at the 15th Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL.

SERVICE

PROFESSIONAL

Associate Editor:

Visual Cognition (2016-2022)
Attention, Perception & Psychophysics (2008-2014)
Psychological Science (2009-2012)

Editorial Boards:

Journal of Experimental Psychology: General (1998-2002)
Memory & Cognition (2005-2009)
Perception & Psychophysics (1998-1999; 2003-2008)
Psychonomic Bulletin & Review (2000-2012)
Visual Cognition (2005-2015)

Guest Editor and Organizer for two special issues of *Visual Cognition*: “Dealing with Distraction” (2020) and “A Resolution to the Attentional Capture Debate” (with Chris Olivers, 2021)
Psychobiology special issue titled “The Cognitive Neuroscience of Object Representation and Recognition” (December, 1998, issue)

Ad Hoc Reviewer for:

Behavioral and Brain Sciences; Cognition; Cognitive; Affective; & Behavioral Neuroscience; Child Development; Cognitive Neuropsychology; Cognitive Psychology; Consciousness and Cognition; Developmental Psychology; Developmental Science; Experimental Brain Research; Journal of Abnormal Psychology; Journal of Clinical and Experimental Neuropsychology; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning; Memory; and Cognition; Memory & Cognition; Journal of Psychopathology and Clinical Science; Neural Networks; Neuropsychologia; Perception; Perception & Psychophysics; Psychobiology; Psychological Bulletin; Psychological Science; Psychological Review; Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology; Trends in Cognitive Sciences; Vision Research

Ad Hoc Grant Reviewing:

- Netherlands Organisation for Scientific Research (NWO)
- National Science Foundation, Human Cognition & Perception Program
- Natural Sciences and Engineering Research Council (NSERC) of Canada
- Israeli Science Foundation
- United States-Israel Binational Science Foundation (BSF)
- Wellcome Trust (UK)

Tenure & Promotion Evaluation for Other Institutions: 1 review in 2006; 2 reviews in 2008; 2 reviews in 2010; 2 reviews in 2011; 2 in 2015; 2 in 2017; 3 in 2018; 1 in 2019; 2 in 2022; 1 in 2024

DEPARTMENTAL

- Teaching observation committee (2017-2022)
- Director of undergraduate studies (2014-2021)
- Session Presenter You@UI Recruiting event (2014, 2016)
- Committee on undergraduate studies (2007)
- Area coordinator, Cognition & Perception area (2002-2008)
- Committee on graduate studies (2002-2008)
- Tenure review committees for J. Spencer (2003), A. Hollingworth (2005), E. Hazeltine (2008), J. T. Mordkoff (2010)
- Promotion review committee for P. Windschitl (2008)
- Faculty review committees for M. Blumberg (2015); E. Hazeltine (2005, 2006, 2007); A. Hollingworth (2002, 2004); C. Moore (2014) T. Mordkoff (2007-2010); J. Radley (2012); L. Samuelson (2002, 2003); A. Todd (2015)
- Department of Psychology ad hoc committee to revise Operations and Procedure manual (2000-2001)
- Department of Psychology representative on University of Iowa Institutional Review Board (1999-2008)

COLLEGE & UNIVERSITY

- Brain Science and Mental Health Strategic Plan Action and Resource Committee (SPARC), University of Iowa, 2025-present
- Excellence in Teaching & Learning Strategic Planning Network, University of Iowa, 2022-present
- Strategic Enrollment Management Coordination Team, University of Iowa, 2022-present
- Promotion review committee for L. Adams (instructional track, Biology), 2022
- First-year seminar steering committee, University of Iowa, 2022-present
- Hancher-Finkbine Medallion Selection Committee, University of Iowa, 2021-present
- Office of Undergraduate Research steering committee, University of Iowa, 2021-present
- Promotion review committee for G. Pierce (Health & Human Physiology), 2022
- Co-Chair, Graduation Task Force, Office of the Provost, University of Iowa, 2018-2020
- Honors Program Steering Committee, University of Iowa, 2019-2021
- Student Success Path Forward Committee, University of Iowa, 2018-2021
- Chair, Review Committee, College of Education, University of Iowa, 2017
- Co-Chair Operations Team Living Learning Community Committee, 2017
- Chair Learning Living Community Advisory Board, Office of the Provost, 2016-2020
- Undergraduate Educational Policy and Curriculum Committee, College of Liberal Arts & Sciences, 2014-2017; 2018-2021
- Chair, On Iowa! (first-year student orientation) Excel subcommittee, 2013
- CLAS Teaching Awards Committee (2012-2015)
- University College executive committee, University of Iowa, 2010-2017
- Alcohol Harm Reduction Committee, University of Iowa, 2011-2020
- Session presenter, first-year student orientation (On Iowa!), 2011-present
- First-year student orientation (On Iowa!) Excel Subcommittee, 2010, 2011, 2012, 2013, 2014
- Review committee, Student Health Services, University of Iowa, 2010
- Review committee, School of Art and Art History, University of Iowa, 2008
- General education curriculum committee, College of Liberal Arts & Sciences, 2005-2007
- Commencement speaker, College of Liberal Arts & Sciences, Spring 2005
- Session presenter (“Success in today’s classroom”) at new student orientation, Summer 2005-2010