

Sian Leah Beilock

Curriculum Vitae

Address

Department of Psychology
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Employment

<u>Employment</u>	<u>Year</u>	<u>Title</u>
The University of Chicago	2016 - present	Executive Vice Provost
The University of Chicago	2014 - 2016	Vice Provost for Academic Initiatives
The University of Chicago	2016 - present	Stella M. Rowley Professor Department of Psychology Committee on Education
The University of Chicago	2012 - present	Professor Department of Psychology Committee on Education
The University of Chicago	2008 - 2012	Associate Professor Department of Psychology Committee on Education
The University of Chicago	2005 - 2008	Assistant Professor Department of Psychology
Miami University of Ohio	2003 - 2005	Assistant Professor Department of Psychology

Other Current Affiliations

Neuroscience Institute; The University of Chicago
NSF Spatial Intelligence and Learning Center; The University of Chicago
Identity & Personality Network, HCEO; The University of Chicago

Education

<u>Education</u>	<u>Year</u>	<u>Title</u>
Michigan State University	2003	Ph.D. Psychology; Advisor: Dr. Thomas H. Carr
	2003	Ph.D. Kinesiology; Advisor: Dr. Deb L. Feltz
	2000	M.A. Psychology
UC San Diego	1997	B.S. Cognitive Science, Minor: Psychology

Research Interests

My research program sits at the intersection of cognitive science and education. I explore the cognitive and neural substrates of skill learning as well as the mechanisms by which performance breaks down in high-stress or high-pressure situations.

I use converging methodologies in my research – ranging from behavioral performance measures (e.g., reaction time and accuracy), to physiological measures of stress (e.g., salivary cortisol), to neuroimaging techniques (e.g., fMRI). In addition to answering basic questions about cognition, the goal of my research program is to inform educational practice and policy.

Honors, Awards, and Highlights

- 2015 - Pritzker Visiting Scientist-Engineer-Inventor (2015-16), Francis Parker School
- 2014 - Elected fellow, American Psychological Association (Division 3)
- 2013 – University of Chicago “Outstanding Mentor,” Office of College Admissions
- 2013 – Elected to the National Academy of Kinesiology
- 2013 – Early Investigator Award, Society of Experimental Psychologists
- 2012 – Outstanding Young Investigator Award, Psychonomic Society
- 2011 – Robert L. Fantz Young Psychologists Award, American Psychological Foundation
- 2011 – Janet Taylor Spence Early Career Award, Association for Psychological Science
- 2011 – Elected fellow, American Association for the Advancement of Science, AAAS
- 2009 – American Psychological Association Science Leadership Conference
- 2009 – Elected charter fellow, Midwestern Psychological Association
- 2009 – Elected fellow, Association for Psychological Science
- 2008 – National Science Foundation CAREER Award
- 2008 – NASPSPA Early Career Distinguished Scholar Award
- 2007 – Chosen as one of 25 “Women to Watch” by *Crain’s Chicago Business Magazine*
- 2005 – Chosen as a “Rising Star” across all academic disciplines, *Chronicle of Higher Education*
- 2005 – ISSP Young Scholar Award

Impact

Total number of citations = 7629; H-index = 41; i10-index = 70

Over 175 invited talks in the US and around the world

Total grant dollars with Beilock as PI: \$6,144,445

2 books published in over a dozen foreign editions

2016-present – National Science Foundation (NSF) Directorate for Education and Human Resources Advisory Committee

2012-2013 – Committee Member, National Academy of Sciences DBASSE-BOHSI-11-01 Mine Safety: Essential Components of Self-Escape

Written for the *American Educator*; *APA Psychological Science Agenda*; *Psychology Today*; *Scientific American*; *Inside Higher Education*; *Medium*; *Science Magazine* (book review)

Extramural Grants

National Science Foundation 1540741

Levine, S. C. (PI), Beilock, S. L. (co-PI), Kubota J.

SL - CN: A Research-Practice Collaboration to Improve Math Learning in Young Children

Total costs: \$749,998

September 15, 2015 – August 31, 2018

Spencer Foundation 201600039

Beilock, S. L. (PI) & Rozek, C.

Exploring academic mindset interventions that aid students' ability to succeed in stressful situations in school.

Total costs: \$50,000

August 1, 2015 – July 31, 2016

National Science Foundation CORE DUE-1348614

Beilock, S. L. (PI) & Fischer, S. (co-PI). Embodied Physics Learning

Total Costs: \$810,394

December 20, 2013 – December 19, 2017

Overdeck Family Foundation

Beilock, S. L. (PI) & Levine, S. C. (PI). Bedtime Math: Impact on Children's Math Anxiety, Attitudes, and Achievement.

Total costs: \$2,209,823

February 1, 2013 – August 31, 2018

U.S. Department of Education, Institute of Education Sciences R305A110682

Beilock, S. L. (PI), Levine, S. C. (co-PI), & Raudenbush, S. (co-PI). An Exploration of Malleable Social and Cognitive Factors Associated with Early Elementary School Students' Mathematics Achievement

Total costs: \$1,157,723

June 15, 2011 – June 14, 2015

National Science Foundation FIRE DRL-1042955
Beilock, S. L. (PI) & Fischer, S. (co-PI). Fostering Interdisciplinary Research on Education:
Applying Embodied Learning to Physics Education
Total Costs: \$378,316
September 15, 2010 – September 14, 2014

National Science Foundation DRL-0746970
Beilock, S. L. (PI). CAREER: Women in Math and the Sciences: Counteracting the Impact of
Negative Group Stereotypes on Performance.
Total Costs: \$831,882
July 1, 2008 – June 30, 2014

Spencer Foundation 201000085
Beilock, S. L. (PI), Singh, C., & Fischer, S.
Applying Embodied Learning to Physics Education
Total costs: \$39,894
December 1, 2009 – November 30, 2010

National Science Foundation BCS-0751336
Beilock, S. L. (PI). Learning Math and Spatial Skills: Working Memory, Performance
Stereotypes, and Anxiety
Total costs: \$39,770
August 27, 2007 – September 30, 2009

U.S. Department of Education, Institute of Education Sciences R305H050004
Beilock, S. L. (PI). Improving the Assessment Capability of Standardized Tests: How High-
Stakes Testing Environments Compromise Performance.
Total costs: \$427,786
June 1, 2005 – May 31, 2009

National Science Foundation BCS-0601148
Beilock, S. L. (PI). The Causal Mechanisms of Stereotype Threat
Total costs: \$198,857
October 1, 2005 – September 30, 2009

Intramural Grants

Neubauer Family Collegium for Culture and Society

Goldin-Meadow, S. (PI), Brentari, D. (co-PI), Giannakidou, A. (co-PI), & Beilock, S. (co-PI)

The Body's Role in Thinking, Performing and Referencing.

Total costs: \$260,000

July 1, 2013 – June 30, 2016

BIG Seed Grant

Levine S. (PI), Beilock, S (co-PI), Claessens, A. (co-PI), Rosen, L. (co-PI), & Leslie, D. (co-PI)

The UChicago Science of Learning Network: A Research-Practice Collaboration to Improve Student Achievement in Urban Schools

Total costs: \$14,317.71

July 1, 2015 – June 30, 2016

Social Sciences Seed Funding, The University of Chicago, 2008-2009 - \$10,000

Social Sciences Faculty Research Grant, The University of Chicago, 2006-2007 - \$4,000

College of Arts and Science Summer Research Grant, Miami University, 2005 - \$6,000

Committee on Faculty Research Summer Research Award , Miami University; 2004 - \$6,000

Books

Beilock, S. L. (January 6th, 2015). How The Body Knows Its Mind: The Surprising Power of the Physical Environment to Influence How You Think and Feel. Simon & Schuster.

<http://sianbeilock.com>

- Reviewed in Booklist (starred review), Kirkus, Library Journal, Publishers Weekly; excerpts reprinted on-line in NY Magazine, The Guardian, MindBodyGreen.com, One Spirit Book Club. Notable coverage by CBS, Psychology Today, NY Magazine, NPR.
- Foreign Editions (published or forthcoming): Japan, Russia, UK, China (complex and simplified Chinese), Thailand

Beilock, S. L. (Sept. 21st, 2010). Choke: What the Secrets of the Brain Reveal about Getting It Right When You Have To. Simon & Schuster. <http://sianbeilock.com>

- Reviewed in the Wall Street Journal, Time Magazine; Notable coverage by New York Times, USA Today, US News & World Report, Boston Globe, Chicago Tribune, Discover Magazine, Atlantic Monthly, National Public Radio, New Yorker Magazine, CNN, ABC, Washington Post (top 5 business title), Worth Magazine (recommended read), Scientific American (notable read; book club inclusion). New York Magazine (list of top self-help books).
- Foreign Editions (published or forthcoming): Australia, Brazil (Portuguese), China, Czech Republic, Japan, Korea, Thailand, Saudi Arabia, UK

Peer-Reviewed Publications *indicates student or postdoc first author

- 103.** *Foley, A. E., Herts, J. B., Borgonovi, F., Guerriero, S., Levine, S. C., & Beilock, S. L. (in press). Math Anxiety-Performance Link: A Global Phenomenon. *Current Directions in Psychological Science*.
- 102.** Beilock, S.L., Schaeffer, M.W., & Rozek, C.S. (in press). Understanding and Addressing Performance Anxiety. In A.J. Elliot, C.S. Dweck, & D.S. Yeager (Eds.), *Handbook of Competence and Motivation (2nd Edition): Theory and Application*. Guilford Press.
- 101.** *Park, D., Schaeffer, M. W., Nolla, K., Levine, S. C., & Beilock, S. L. (2016). How do generic statements impact performance? Evidence for entity beliefs. *Developmental Science*. doi:10.1111/desc.123.96
- 100.** *Chang, H., & Beilock, S. L. (2016). The math anxiety-math performance link and its relation to individual and environmental factors: A review of current behavioral and psychophysiological research. *Special Issue on Neuroscience of Education. Current Opinion in Behavioral Sciences*, 10, 33–38.
- 99.** *Park, D., Gunderson, E.A., Tsukayama, E., Levine, S.C., & Beilock, S.L. (2016). Young children’s motivational frameworks and math achievement: Relation to teacher-reported instructional practices, but not teacher theory of intelligence. *Journal of Educational Psychology*, 108, 300-313.
- 98.** *Berkowitz, T., Schaeffer, M.W., Rozek, C.S., Maloney, E.A., Levine, S.C., & Beilock, S.L. (2016). Response to comment on “Math at home adds up to achievement in school.” *Science*, 351, 1161.
- 97.** *Sprute, L., & Beilock, S. L. (2016). Math anxiety in community college students. *MathAMATYC Educator*, 7, 39-45.
- 96.** *Ramirez, G., Chang, H., Maloney, E., Levine, S. C, Beilock, S. L. (2016). On the relationship between math anxiety and math achievement in early elementary school: The role of problem solving strategies. *Journal of Experimental Child Psychology*, 141, 83–100.
- 95.** *Maloney, E. A., Converse, B. A., Gibbs, C. R., Levine, S. C., & Beilock, S. L. (2015). Jump-starting early childhood education at home: Early learning, parent motivation, and public policy. *Perspectives in Psychological Science*, 10, 727-732.
- 94.** *Berkowitz, T., Schaeffer, M. W., Maloney, E., Peterson, L., Gregor, C., Levine, C. L., & Beilock, S. L. (2015). Math at home adds up to achievement in school. *Science*, 350, 196-198.
- 93.** Beilock, S. L., & Maloney, E. A. (2015). Math anxiety: A factor in math achievement not to be ignored. *Policy Insights from the Behavioral and Brain Sciences*, 2, 4-12.
- 92.** *Maloney, E., Ramirez, G., Gunderson, E. A., Levine, S. C., & Beilock, S. L. (2015). Intergenerational effects of parents’ math anxiety on children’s math achievement and anxiety. *Psychological Science*. doi:10.1177/0956797615592630

91. *Sattizahn, J. R., Lyons, D. J., Kontra, C., Fischer, S. M., & Beilock, S. L. (2015). In physics education: Perception matters. *Mind, Brain and Education*, 164-169.
90. *Kontra, C., Lyons, D., Fischer, S., & Beilock, S. L. (2015). Physical experience enhances science learning. *Psychological Science*. DOI:10.1177/0956797615569355
89. *Lyons, I. M., Ansari, D., & Beilock, S. L. (2015). Qualitatively different coding of symbolic and nonsymbolic numbers in the human brain. *Human Brain Mapping*, 36, 475-488.
88. *Maloney, E., Sattizhan, J., & Beilock (2014). Anxiety and cognition. *WIREs Cognitive Science*, 5, 403-411.
87. *Trofatter, C., Kontra, C., Beilock, S. L., & Goldin-Meadow, S. (2014). Gesturing has a larger impact on problem-solving than action, even when action is accompanied by words. *Language, Cognition and Neuroscience*. DOI: 10.1080/23273798.2014.905692
86. Woods, E. A., Hernandez, A. E., Wagner, V. E., & Beilock, S. L. (2014). Expert athletes activate somatosensory and motor planning regions of the brain when passively listening to familiar sports sounds. *Brain and Cognition*, 87, 122-133.
85. *Park, D., Ramirez, G., & Beilock, S. L. (2014). The role of expressive writing in math anxiety. *Journal of Experimental Psychology: Applied*: <http://dx.doi.org/10.1037/xap0000013>
- Awarded the APA New Investigator Award for *JEP: Applied* for 2015**
-Awarded the Raymond Nickerson Best Paper Award from *JEP: Applied* for 2014
84. Marras, W. S., Beerbower, D., Beilock, S. L. et al. (2013). *Improving self-escape from underground coal mines*. National Research Council of the National Academies.
83. Beilock, S. L., & Fischer, S. M. (2013). From cognitive science to physics education and back. *Physics Education Research Conference Proceedings*.
82. *Lyons, I. M., & Beilock, S. L. (2013). Ordinality and the Nature of Symbolic Numbers. *Journal of Neuroscience*, 33, 17052–17061.
81. *Ping, R., Beilock, S. L., & Goldin-Meadow, S. (2013). Understanding Gesture: Is the listener's motor system involved? *Journal of Experimental Psychology: General*. DOI: 10.1037/a0032246.
80. *Ramirez, G., Gunderson, E. A., Levine, S. C., & Beilock, S. L. (2013). Math anxiety, working memory and math achievement in early elementary school. *Journal of Cognition and Development*, 14, 187-202.
79. *Gunderson, E. A., Ramirez, G., Beilock, S. L., & Levine, S. C. (2013). Teachers' spatial anxiety relates to 1st – and 2nd – graders' spatial learning. *Mind, Brain and Education*, 7, 196-199.

- 78.** Jackson, R., Beilock, S. L., & Kinrade, N. P. (2013). "Choking" in sport. In D. Farrow, J. Baker, and C. MacMahon (Eds.), *Developing Sport Expertise: Researchers and Coaches Put Theory Into Practice* (pp. 177-190). Routledge.
- 77.** *Maloney, E., Schaeffer, M., & Beilock, S. L. (2013). Mathematics anxiety and stereotype threat: Shared mechanisms, negative consequences, and promising interventions. *Research in Mathematics Education*, *15*, 115-128.
- 76.** Beilock, S. L. (2013). Expert performance: From action to perception to understanding. In J. Staszewski, (Ed.), *Expertise and skill acquisition: The impact of William G. Chase* (pp. 281-98). New York: Psychology Press.
- 75.** *Ramirez, G., Gunderson, E. A., Levine, S. C., & Beilock, S. L. (2012). Spatial anxiety relates to spatial skills as a function of working memory in children. *Quarterly Journal of Experimental Psychology*, *65*, 474-487.
- 74.** *Mattarella-Micke, A., & Beilock, S. L. (2012). The integration of emotion and cognitive control. In T. Alloway, R. Alloway (Eds.). *Working Memory: The Connected Intelligence*. Psychology Press.
- 73.** Beilock, S. L., & Gray, R. (2012). From attentional control to attentional spillover: A skill-level investigation of attention, kinematic, and performance outcomes. *Human Movement Science*, *31*, 1473-1499.
- 72.** *Lyons, I. M., Ansari, D., & Beilock, S. L. (2012). Evidence against a strong association between numerical symbols and the quantities they represent. *Journal of Experimental Psychology: General*, *141*, 635-641.
- 71.** *Kontra, C., Goldin-Meadow, S. and Beilock, S. L. (2012). Embodied Learning across the Lifespan. *Topics in Cognitive Science*, *4*: 731-739.
- 70.** *Lyons, I. M., & Beilock, S. L. (2012). When math hurts: Math anxiety predicts pain network activation in anticipation of doing math. *PLOS ONE*, *7*, e48076.
- 69.** *Mattarella-Micke, A., & Beilock, S. L. (2012). Individual differences in working memory: Implications for learning and performance. In N.M. Seel (Ed.), *Encyclopedia of the Sciences of Learning* (p. 4300). Springer.
- 68.** *Kontra, C. E., Albert, N., & Beilock, S. L. (2012). Embodied cognition: From the playing field to the classroom. In A. M. Williams, N. J. Hodges, M. A. Scott, & M. L. J. Court (Eds.), *Skill acquisition in sport: Research, theory and practice* (pp. 325-336, 2nd Edition). Routledge.
- 67.** *Gunderson, E. A., Ramirez, G., Beilock, S. L., & Levine, S. C. (2012). The relation between spatial skill and early number knowledge: The role of the linear number line. *Developmental Psychology*. doi: 10.1037/a0027433

66. Quandt, L. C., Marshall, P. J., Shipley, T. F., Beilock, S. L., & Goldin-Meadow, S. (2012). Sensitivity of alpha and beta oscillations to sensorimotor characteristics of action: An EEG study of action production and gesture observation. *Neuropsychologia*, *50*, 2745-2751.
65. *Maloney, E., & Beilock, S. L. (2012). Math anxiety: Who has it, why it develops, and how to guard against it. *Trends in Cognitive Science*, *16*, 404-406.
- Reprinted in *The Best Writing on Mathematics* (2013). Princeton University Press. Princeton, NJ.**
64. *Gunderson, E. A., Ramirez, G., Levine, S. C., Beilock, S. L. (2012). New directions for research on the role of parents and teachers in the development of gender-related math attitudes: Response to commentaries. *Sex Roles*, *66*, 191-196.
63. *Gunderson, E. A., Ramirez, G., Levine, S. C., Beilock, S. L. (2012). The role of parents and teachers in the development of gender-related math attitudes. *Sex Roles*, *66*, 153-156.
62. Cartmill, E., Goldin-Meadow, S., & Beilock, S. L. (2012). A word in the hand: Human gesture links representations to actions. *Philosophical Transactions of the Royal Society*, *367*, 129-143.
61. *Allen, E. C., Beilock, S. L., & Shevell, S. K. (2012). Individual differences in simultaneous color constancy are related to working memory. *Journal of the Optical Society of America*, *29*, A52-A59.
60. Schmader, T., & Beilock, S. L. (2012). Mechanisms: An integration of processes that underlie stereotype threat. In T. Schmader & M. Inzlicht (Eds.), *Stereotype Threat: Theory, Process, and Application* (pp. 34-50). Oxford University Press.
59. *Lyons, I. M., & Beilock, S. L. (2011). Mathematics anxiety: Separating the math from the anxiety. *Cerebral Cortex*. doi: 10.1093/cercor/bhr289
58. *Lyons, I. M., & Beilock, S. L. (2011). Numerical ordering ability mediates the relation between number-sense and mathematical competence. *Cognition*, *121*, 256-261.
57. Hernandez, A. E., Mattarella-Micke, A., Redding, R. W. T., Woods, E. A., & Beilock, S. L. (2011). Age of Acquisition in Sport: Start early and practice often. *American Journal of Psychology*, *124*, 253-260.
56. *DeCaro, M. S., Thomas, R., Albert, N., & Beilock, S. L. (2011). Choking under pressure: Multiple routes to skill failure. *Journal of Experimental Psychology: General*, *140*, 390-406.
55. *Mattarella-Micke, A., Mateo, J. Kozak, M. N., Foster, K., & Beilock, S. L. (2011). Choke or thrive? The relation between salivary cortisol and math performance depends on individual differences in working memory and math anxiety. *Emotion*, *11*, 1000-1005.

54. Beilock, S. L. & Ramirez, G. (2011). On the interplay between emotion and cognitive control: Implications for enhancing academic achievement. In J. Mestre & B. Ross (Eds.), *The Psychology of Learning and Motivation* (pp. 137-169). Elsevier.
53. *Allen, E. C., Beilock, S. L., & Shevell, S. K. (2011). Working memory is related to perceptual processing: A case from color perception. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, *37*, 1014-1021.
52. Beilock, S. L. & Ramirez, G. (2011). Practical implications of test anxiety tools: A response. *Science*, *332*, 791-792.
51. Gray, R., & Beilock, S. L. (2011). Hitting is contagious: Expertise and action induction. *Journal of Experimental Psychology: Applied*, *17*, 49-59.
50. *Yang, S. & Beilock, S. L. (2011). Seeing and doing: Ability to act moderates orientation effects in object perception. *Quarterly Journal of Experimental Psychology*, *64*, 639-648.
49. *Ramirez, G., & Beilock, S. L. (2011). Writing about testing worries boosts exam performance in the classroom. *Science*, *331*, 211-213.
48. Beilock, S. L., & Hohmann, T. (2011). Embodied cognition “Ein Ansatz für die Sportpsychologie.” *Zeitschrift für Sportpsychologie*, *17*, 120-129.
47. Beilock, S. L., & Goldin-Meadow, S. (2010). Gesture changes thought by grounding it in action. *Psychological Science*, *21*, 1605-1611.
46. Goldin-Meadow, S. & Beilock, S. L. (2010). Action’s influence on thought: The case of Gesture. *Perspectives on Psychological Science*.
45. Beilock, S. L., Gunderson, L. A., Ramirez, G., & Levine, S. C. (2010). Reply to Plante et al.: Girls' math achievement is related to their female teachers' math anxiety. *Proceedings of the National Academy of Sciences, USA*, *107*, E80.
44. *DeCaro, M. S., Rotar, K. E., Kendra, M. S., & Beilock, S. L. (2010). Diagnosing and alleviating the impact of performance pressure on mathematical problem solving. *The Quarterly Journal of Experimental Psychology: Human Experimental Psychology*, *63*, 1619-1630.
43. *DeCaro, M. S. & Beilock, S. L. (2010). The benefits and perils of attentional control. In M. Csikszentmihalyi and B. Bruya (Eds.). *Effortless Attention: A New Perspective in the Cognitive Science of Attention and Action*, (pp. 51-74). MIT press.
42. Beilock, S. L., Gunderson, L. A., Ramirez, G., & Levine, S. C. (2010). Female teachers’ math anxiety affects girls’ math achievement. *Proceedings of the National Academy of Sciences, USA*, *107*, 1860-1863.

-January-March, 2010: A Most-Read Article

41. *Mattarella-Micke, A., & Beilock, S. L. (2010). Situating math problems: The story matters. *Psychonomic Bulletin & Review*, *17*, 106-111.
40. *Lyons, I., Cieslak, M., Mattarella-Micke, A., Nusbaum, H., Small, S., & Beilock, S. L. (2010). Neural processing of action-related language. *Brain & Language*, *112*, 214-222.
39. *Lyons, I. & Beilock, S. L. (2009). “Beyond Quantity: Individual differences in working memory and the ordinal understanding of numerical symbols. *Cognition*, *113*, 189-204.
38. *Yang, S., Gallo, D., & Beilock, S. L. (2009). Embodied memory judgments: A case of motor fluency. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, *35*, 1359-1365.
37. *DeCaro, M. S., Carlson, K. D., Thomas, R. D., & Beilock, S. L. (2009). When and how less is more: Reply to Tharp & Pickering. *Cognition*, *111*, 391-403.
36. Beilock, S. L. (2009). Grounding cognition in action: Expertise, comprehension, and judgment. In M. Raab, J. Johnson, & H. Heekeren (Eds.), *Mind and Motion: The Bidirectional Link between Thought and Action. Progress in Brain Research* (pp. 3-11). Elsevier.
35. *Rydell, B. J., McConnell, A. R., & Beilock, S. L. (2009). Multiple social identities and stereotype threat: Imbalance, accessibility, and working memory. *Journal of Personality & Social Psychology*, *96*, 949-966.
34. *Ping, R., Dhillon, S., & Beilock, S. L. (2009). Reach for what you like: The body’s role in shaping preferences. *Emotion Review*, *1*, 140-150.
33. Beilock, S. L., Bertenthal, B. I., Hoerger, M., & Carr, T. H. (2008). When does haste make waste? Expertise, speed vs. accuracy instructions, and the tools of the trade. *Journal of Experimental Psychology: Applied*, *14*, 340-352.
32. Beilock, S. L. & Lyons, I. M. (2008). Expertise and the mental simulation of action. In K. Markman, B. Klein, and J. Suhr (Eds.), *The Handbook of Imagination and Mental Simulation* (pp. 21-34). Psychology Press.
31. Beilock, S. L. (2008). Math performance in stressful situations. *Current Directions in Psychological Science*, *17*, 339-343.
30. Beilock, S. L., Lyons, I. M., Mattarella-Micke, A., Nusbaum, H. C., & Small, S. L. (2008). Sports experience changes the neural processing of action language. *Proceedings of the National Academy of Sciences, USA*, *105*, 13269-13273.
29. Beilock, S. L., & Gonso, S. (2008). Putting in the mind vs. putting on the green: Expertise, performance time, and the linking of imagery and action. *The Quarterly Journal of Experimental Psychology: Human Experimental Psychology*, *61*, 920-932.

- 28.** *DeCaro, M. S., Thomas, R., & Beilock, S. L. (2008). Individual differences in category learning: Sometimes less working memory capacity is better than more. *Cognition*, *107*, 284-294.
- 27.** Beilock, S. L. (2008). Beyond the playing field: Sports psychology meets embodied cognition. *International Review of Sport and Exercise Psychology*, *1*, 19-30.
- 26.** Jackson, R., & Beilock, S. L. (2008). Attention and performance. In D. Farrow, J. Baker, and C. MacMahon (Eds.), *Developing elite sports performers: Lessons from theory and practice*. (pp. 104-118). Routledge.
- 25.** Sibley, B. A. & Beilock, S. L. (2007). Exercise and working memory: An individual differences investigation. *Journal of Sport and Exercise Psychology*, *29*, 783-391.
- 24.** Beilock, S. L., & DeCaro, M. S. (2007). From poor performance to success under stress: Working memory, strategy selection, and mathematical problem solving under pressure. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, *33*, 983-998.
- 23.** Gray, R., Beilock, S. L., & Carr, T. H. (2007). "As soon as the bat met the ball, I knew it was gone": Outcome prediction, hindsight bias, and the representation and control of action in novice and expert baseball players. *Psychonomic Bulletin & Review*, *14*, 669-675.
- 22.** Beilock, S. L. (2007). Choking under pressure. In R. Baumeister and K. Vohs (Eds.), *Encyclopedia of social psychology*. Sage Publications.
- 21.** Beilock, S. L. (2007). Understanding skilled performance: Memory, attention, and "choking under pressure." In Morris, Terry, and Gordon (Eds.), *Sport & Exercise Psychology: International Perspectives* (pp. 153-166). Morgantown, WV: Fitness Information Technology.
- 20.** *DeCaro, M. S., & Wieth, M., & Beilock, S. L. (2007). Methodologies for examining problem solving success and failure. *Methods*, *42*, 58-67.
- 19.** Beilock, S. L., Rydell, R. J., & McConnell, A. R. (2007). Stereotype threat and working memory: Mechanisms, alleviation, and spill over. *Journal of Experimental Psychology: General*, *136*, 256-276.
- 18.** Beilock, S. L., & Gray, R. (2007). Why do athletes "choke" under pressure? In G. Tenenbaum and R. C. Eklund (Eds.), *Handbook of sport psychology*, 3rd Ed. (pp. 425-444). Hoboken, NJ: John Wiley & Sons.
- 17.** Beilock, S. L. & Holt, L. E. (2007). Embodied preference judgments: Can likeability be driven by the motor system? *Psychological Science*, *18*, 51-57.
- 16.** *Holt, L. E. & Beilock, S. L. (2006). Expertise and its embodiment: Examining the impact of sensorimotor skill expertise on the representation of action-related text. *Psychonomic Bulletin & Review*, *13*, 694-701.

15. Beilock, S. L., & Feltz, D. L. (2006). Self-Efficacy and expertise. In N. Hagemann, M. Tietjens, & B. Strauss, (Eds.), *The psychology of peak performance in sports* (pp. 156-174). Göttingen, Germany: Hogrefe Publishers.
14. Beilock, S. L., Jellison, W. A., Rydell, R. J., McConnell, A. R., & Carr, T. H. (2006). On the causal mechanisms of stereotype threat: Can skills that don't rely heavily on working memory still be threatened? *Personality & Social Psychology Bulletin*, *32*, 1059-1071.
13. Beilock, S. L. (2005). Choking under pressure. In R. M. Bartlett, C. Gratton, and C. Rolf (Eds.), *Encyclopedia of international sports studies* (pp. 258-359; see also 1462-1463). Routledge.
12. Beilock, S. L., & Carr, T. H. (2005). When high-powered people fail: Working memory and “choking under pressure” in math. *Psychological Science*, *16*, 101-105.
- **Editor's Choice, *Science*, December 3rd, 2004.**
11. Beilock, S. L. (2005). Controlled and automatic processing. In R. M. Bartlett, C. Gratton, and C. Rolf (Eds.), *Encyclopedia of international sports studies* (pp. 209-210). Routledge.
10. Beilock, S. L., Kulp, C. A., Holt, L. E., & Carr, T. H. (2004). More on the fragility of performance: Choking under pressure in mathematical problem solving. *Journal of Experimental Psychology: General*, *133*, 584-600.
- **Editor's Choice, *Science*, December 3rd, 2004.**
9. Beilock, S. L. & McConnell, A. R. (2004). Stereotype threat and sport: Can athletic performance be threatened? *Journal of Sport and Exercise Psychology*, *26*, 597-609.
8. Beilock, S. L., Bertenthal, B. I., McCoy, A. M., & Carr, T. H. (2004). Haste does not always make waste: Expertise, direction of attention, and speed versus accuracy in performing sensorimotor skills. *Psychonomic Bulletin & Review*, *11*, 373-379.
7. Beilock, S. L., & Carr, T. H. (2004). From novice to expert performance: Attention, memory, and the control of complex sensorimotor skills. In A. M. Williams, N. J. Hodges, M. A. Scott, & M. L. J. Court (Eds.), *Skill acquisition in sport: Research, theory and practice* (pp. 309-328). Routledge.
6. Beilock, S. L., Wierenga, S. A., & Carr, T. H. (2003). Memory and expertise: What do experienced athletes remember? In J. L. Starkes and K. A. Ericsson (Eds.), *Expert performance in sports: Advances in research on sport expertise* (pp. 295-320). Champaign, IL: Human Kinetics.
5. Beilock, S. L., Wierenga, S. A., & Carr, T. H. (2002). Expertise, attention, and memory in sensorimotor skill execution: Impact of novel task constraints on dual-task performance and episodic memory. *The Quarterly Journal of Experimental Psychology: Human Experimental Psychology*, *55*, 1211-1240.

4. Beilock, S. L., Carr, T. H., MacMahon, C., & Starkes, J. L. (2002). When paying attention becomes counterproductive: Impact of divided versus skill-focused attention on novice and experienced performance of sensorimotor skills. *Journal of Experimental Psychology: Applied*, 8, 6-16.
3. Beilock, S. L. & Carr, T. H. (2001). On the fragility of skilled performance: What governs choking under pressure? *Journal of Experimental Psychology: General*, 130, 701-725.
2. Beilock, S. L., Afremow, J. A., Rabe, A. L., & Carr, T. H. (2001) "Don't miss!" The debilitating effects of suppressive imagery on golf putting performance. *Journal of Sport and Exercise Psychology*, 23, 200-221.
1. Beilock, S. L., Feltz, D. L., & Pivarnik, J. M. (2001). Training patterns of athletes during pregnancy and postpartum. *Research Quarterly for Exercise and Sport*, 72, 39-46.

Other Publications

Levine, S. C., & Beilock, S. L. (2016). A Small Dose of Bedtime Math Goes A Long Way. Brookings: <http://brook.gs/1TwBtkz>

Beilock, S. L., & Willingham, D. T. (2014). Math Anxiety: Where Does It Come From And What Can We Do About It? *American Educator*:
<http://www.aft.org/pdfs/americaneducator/summer2014/Beilock.pdf>

Beilock, S. L. (2011). Back to school: Dealing with academic stress. APA Psychological Science Agenda. September, 2011: <http://www.apa.org/science/about/psa/2011/09/academic-stress.aspx>

Beilock, S. L. (2007). Closing the racial achievement gap. Scientific American.com:
<http://bit.ly/bhQrEU>

CHOKe. Psychology Today Blog: <http://www.psychologytoday.com/blog/choke>

I have also written articles for *Tennis Magazine* and *Psychology Today*

Invited Talks and Colloquia**2016**

- Science Sunday Lecture. Ohio State University. Columbus, OH.
- Aims of Athletics Address. University of Chicago. Chicago, IL
- Harper Lecture. University of Chicago Alumni Association. Washington, DC.
- Campus and Student Life Annual Retreat. University of Chicago. Chicago, IL.
- Alumni Weekend Common Core Lecture. University of Chicago. Chicago, IL.
- UChicago Civic Leadership Academy, Chicago, IL.
- Harper Lecture. University of Chicago Alumni Association. Tampa, FL.
- Carver Lecture. The Pingry School. Basking Ridge, NJ.
- AAAS Psychology Symposium. Washington, DC.

2015

- Pritzker lecture. Francis Parker School. Chicago, IL.
- Harris Women's Leadership Academy. University of Chicago. Chicago, IL
- Keynote, Brain Awareness Week. Lake Forest College. Lake Forest, IL.
- Harper Lecture. University of Chicago Alumni Association. Los Angeles, CA.
- Max Planck Institute for Human Development. Berlin, Germany
- La Grange School District. La Grange, IL.
- Keynote Address. Landmark College Summer Institute. Putney, VT.
- Keynote Address. Conference on Diversity and Inclusion in the Science Classroom. Grinnell College. Grinnell, IA.
- American Bar Association. Chicago, IL
- Invited Talk. Spatial Grounding of Learning Symposium. University of Chicago. Chicago, IL
- Invited Colloquium. Department of Psychology. Cornell University. Ithaca, NY.
- UChicago Harper Lecture. Minneapolis, MN
- Presidential Symposium. AERA Annual Conference. Chicago, IL.
- Keynote Address. UPenn Disabilities Symposium. Philadelphia, PA.
- Invited Talk. National Institutes of Health. Bethesda, MD.
- Invited Talk. UChicago Laboratory Schools Parents' Association. Chicago, IL.
- UChicago Discovery Series, Neuroscience. Chicago, IL.
- UChicago Hong Kong Center opening. Hong Kong
- North Shore Country Day. Chicago, IL.
- Invited Colloquium. Department of Psychology. Duke University. Chapel Hill, NC.
- UChicago Civic Leadership Academy, Chicago, IL.
- Keynote Address. Women in STEM Leadership Retreat. Chicago, IL.
- Hinsdale School District. Hinsdale, IL.
- Invited Talk. Plain Talk about Reading and Learning. New Orleans, LA.
- Keynote Address. Learning and the Brain. San Francisco, CA.
- Invited Talk. National Science Board, NSF. Washington, DC.
- Illinois Science Council. Chicago, IL.
- White House Office of Science and Technology Policy Workshop: Bridging Neuroscience and Learning. Washington, DC.
- National Institute on the Teaching of Psychology (NITOP). St. Pete Beach. FL

2014

- Canadian Olympic Committee. Ottawa, CA.
- Evanston Township High School. Evanston, IL
- Glenbard School District. Glenbard, IL
- Women in Cognitive Science. Psychonomics Society Annual Meeting. Long Beach, CA.
- Keynote Address. Mind, Brain & Education Conference. Dallas, TX.
- Convocation Address. Lawrence University. Appleton, WI.
- Harper Lecture. University of Chicago Alumni Association. London, UK.
- Keynote Address. Northwest Association of Independent Schools. Portland, OR.
- Cognitive Science Distinguished Speaker Series. MSU. East Lansing, MI.
- Chicago Women's Association. Chicago, IL.
- Beloit College Incoming Student Program. Beloit, WI.
- Keynote Address. EARLI Educational Neuroscience Conference. Gottingen, Germany.
- Invited Talk. Department of Psychology. Cambridge University. Cambridge, UK.
- Cambridge Memory Meeting. Cambridge, UK.
- G5 Leadership Talk. Chicago, IL.
- Mt. Carmel High School Faculty Address. Chicago, IL
- Keynote Address. New Trier Township K-12 faculty institute. Chicago, IL
- Meet the Family Address. Annual meeting of AAAS. Chicago, IL.
- Invited Talk. The Division Head Academy of Independent Schools. Chicago, IL.
- Invited Talk. Evanston Township High School faculty development day. Evanston, IL.
- Invited Talk. Fortnightly Society. Chicago, IL.
- Invited Talk. Jacob Marschak Interdisciplinary Colloquium on Mathematics in the Behavioral Sciences. University of California, Los Angeles. LA, CA.
- Keynote Address. John Hopkins Science of Learning Center. Baltimore, MD.

2013

- Provost Address. Cornell University. Ithaca, NY.
- Commencement Address. Augsburg College. Minneapolis, MN.
- Keynote Address. Association for Educational Therapists National Convention. San Francisco, CA.
- Invited Talk. Harvard Brain & Public Policy Conference. Boston, MA.
- Keynote Address. USA Volleyball. Chicago, IL.
- Keynote Address. Chartered Financial Analysts. Chicago, IL.
- Invited Talk. Carnegie Foundation. Santa Cruz, CA.
- Plenary Speaker. Physics Education Research Conference. Portland, OR.
- Invited Talk. Society for Teaching of Psychology. Chicago, IL.
- Invited Address. Westchester High School. Philadelphia, PA.
- White House Convening on Education. Washington, DC.
- Invited Talk. Harris School Visiting Committee. University of Chicago. Chicago, IL.
- Invited Address. Beloit College. Beloit, WI.
- Department Colloquium. Princeton University. Princeton, NJ.
- 100Kin10 Partner Summit. Chicago, IL.
- Department Colloquium. University of Virginia. Charlottesville, VA.

- Keynote Address. Learning & the Brain Conference. NY, NY.
- Oxford University Press PsychTalk. Webinar.
- Keynote Address. Chicago Excellence in Teaching Mathematics & Science. Chicago, IL.
- Keynote Address. STEP UP Science and Technology. Chicago, IL.

2012

- Dean's Distinguished Lecture. Harvard Graduate School of Education. Boston, MA.
- Invited Talk. STEM Speakers Series. Oakton Community College. Des Plaines, IL.
- Invited Talk. Organization of Chartered Financial Analysts. Chicago, IL.
- Invited Talk. Association for Psychological Science. Chicago, IL.
- Invited Talk. The Evergreen School Speakers Series. Seattle, WA.
- Invited Talk. Midwestern Psychological Association. Chicago, IL.
- Invited Talk. The Latin School. Chicago, IL.
- Invited Talk. Emergency Surgery Grand Rounds. University of Chicago.
- Invited Talk. Chicago Science Writers. Chicago, IL.
- Invited Talk. University of Chicago Laboratory Schools. Chicago, IL.
- Invited Talk. Department of Surgery. University of Chicago. Chicago, IL.
- Invited Talk. Carnegie Foundation. Palo Alto, CA.
- Invited Talk. Joint Mathematics Meetings. Boston, MA.

2011

- Keynote Address. Midwestern Liberal Arts Colleges Annual Conference. St. Paul, MN.
- Invited Talk. North Shore Country Day School. Winnetka, IL.
- University of Chicago Family Weekend. Chicago, IL.
- Invited Talk. National Science Foundation REESE PI Meeting. Washington, DC.
- Harper Lecture. University of Chicago Alumni Association. SF, CA.
- Invited Talk. Hastings School of Law. San Francisco, CA.
- Invited Talk. PNAS Science Café. Washington, DC.
- Keynote Address. Brain and Student Success Conference. Chicago, IL.
- Invited Talk. School of Engineering. Northwestern University. Chicago, IL.
- Invited Talk. Chicago Area Workshop for the Association of Educational Therapists. Chicago, IL.
- Harper Lecture. University of Chicago Alumni Association. NY, NY.
- Invited Talk. Department of Psychology. Emory University. Atlanta, GA.
- Keynote Address, Motor Congress of the German Sports Association. Cologne, Germany.
- Invited Talk. Entrepreneurial Roundtable. University of Chicago Booth School of Business. Chicago, IL.
- Invited Talk. University of Chicago Booth School of Business Alumni. Chicago, IL.
- Invited Talk. School of Education. Stanford University. Palo Alto, Ca.
- Invited Talk. Bay Area Mediation Society. San Francisco, CA.
- Invited Talk. Illinois Track & Field. Chicago, IL.

2010

- Invited Talk. University of Marseille (CNRS). Marseille, FR.
- Invited Talk. Department of Psychology. The University of Pittsburgh. Pittsburgh, PA.

- Invited Talk. Family Weekend. The University of Chicago. Chicago, IL.
- Invited Talk. Grand Rounds. Department of Psychiatry. The University of Chicago. Chicago, IL.
- Café Scientifique. The Map Room. Chicago, IL.
- Harper Lecture. University of Chicago Alumni Association. Chicago, IL.
- Harper Lecture. University of Chicago Alumni Association. Washington, DC.
- Invited Talk. Barnard Interdisciplinary Workshop on Embodiment. New York, NY.
- Invited Talk. Jean Piaget Society. St. Louis, MO.
- Allen Edwards Endowed Lectureship in Psychology. The University of Washington. Seattle, WA.
- Cognitive Forum. University of California. Los Angeles, CA.
- Social Psychology Colloquium. University of California. Los Angeles, CA.
- Invited Talk. Gender Studies Workshop. The University of Chicago. Chicago, IL.
- Invited Talk. Department of Psychology and the Learning Research & Development Center. Pittsburgh, PA.
- Cognitive Science Speaker Series. University Arizona. Tucson, AZ.
- Invited Talk. Developmental Network. University of Chicago. Chicago, IL.
- Invited Talk. Committee on Education. University of Chicago. Chicago, IL.
- Cognitive Science Speaker Series. Indiana University. Bloomington, IN.

2009

- Invited Talk. Urban Teacher Education Program. University of Chicago. Chicago, IL.
- Invited Talk. Convening: Designing Supports for Successful Academic Transitions. Charles A. Dana Center, University of Texas. Austin, TX.
- Invited Talk. Department of Psychology. University of Illinois, Chicago.
- Invited Talk. Arthur Page Society Annual Meeting. Chicago, IL.
- Invited Talk. Carnegie Symposium on Cognition. Carnegie Mellon University. Pittsburgh, PA.
- NSF Innovators in Cognitive Science Lecture. The University of California, Merced. Merced, CA.
- Annual Sigma Xi Lecture. Lake Forest College. Lake Forest, IL.
- Keynote Address. Council of Graduate Departments of Psychology (COGDOP) Annual meeting. Clearwater, FL.
- Distinguished Speakers Colloquium Lecture. Department of Psychology. Washington University. St. Louis, MO.

2008

- Invited Talk. School of Movement Sciences. Brunel University. London, England.
- Cognitive Science Colloquium Lecture. University of Maryland. College Park, MD.
- Fourth Annual Jeanne LaDuke Women in Mathematics, Science, and Technology Lecture. DePaul University. Chicago, IL.
- Harper Lecture. University of Chicago Alumni Association. Atlanta, GA.
- Invited Talk. Annual Neuroscience Retreat. University of Chicago. New Buffalo, MI.
- Invited Talk. Annual Meeting of the North American Society for the Psychology of Sport and Physical Activity (NASPSA). Niagara Falls, Canada.
- Invited Talk. Annual Meeting of the Midwestern Psychological Association. Chicago, IL.

- Invited Talk. Midwest Faculty Seminar. University of Chicago. Chicago, IL.
- Invited Seminar. Lutheran School of Theology. University of Chicago. Chicago, IL.
- Talk, Invited Symposium. Sensory-Motor Foundations of Cognition and Language. International Congress of Psychology. Berlin, Germany.
- Talk, Invited Symposium. Individual Differences in Executive Control. International Congress of Psychology. Berlin, Germany.
- Department Colloquium. Department of Educational Psychology. University of Illinois. Urbana-Champaign, IL.
- Department Colloquium. Department of Applied Physiology and Kinesiology. University of Florida. Gainesville, FL.
- Department Colloquium. School of Human Kinetics. University of British Columbia. Vancouver, BC.
- Department Colloquium. Mathematics Department. University of Chicago. Chicago, IL.

2007

- Invited Talk. Illinois Humanities Council. Chicago, IL.
- Invited Talk. Starcom MediaVest. Sundance, UT.
- Invited Talk. U.S. Army Natick Soldier RD&E Center and U.S. Army Research Institute of Environmental Medicine. Natick, MA.
- Invited Talk. California Algebra Forum. San Diego, CA.
- Invited Talk. Chicago Convenes. The University of Chicago. Chicago, IL.
- Talk, Invited Symposium. Motivation and Cognition. Annual Meeting of the Psychonomics Society, Long Beach CA.
- Talk, Invited Symposium. Functional Brain Imaging of Action Observation: Implications for Skill Acquisition. Annual Meeting of the North American Society for the Psychology of Sport and Physical Activity. San Diego, CA.
- Invited Talk. Max Planck Institute for Human Cognitive and Brain Sciences (Perception-Action Group). Leipzig, Germany.
- Department Colloquium. Department of Psychology. The University of Notre Dame. South Bend, IN.
- Department Colloquium. Department of Psychology. The University of Nevada, Las Vegas. Las Vegas, NV.
- Department Colloquium. Department of Human Movement Sciences. University of Illinois, Chicago. Chicago, IL.
- Department Colloquium. Department of Kinesiology. The Pennsylvania State University. State College, PA.

2006

- Invited Talk. Center for Cognitive and Social Neuroscience. University of Chicago. Chicago, IL.
- Invited Talk. Neural Basis of Mathematical Development Conference. Vanderbilt University. Nashville, TN.
- Keynote Address. German Sport Psychology Association. Muenster, Germany.
- Invited Talk. Social Psychologists of Chicago. DePaul University. Chicago, IL.
- Talk, Invited Symposium. Action and Spatial Cognition. Annual meeting of the Midwestern Psychological Association. Chicago, IL.

- Invited Talk. Department of Psychology (Cognitive Psychology Group), The University of Illinois. Urbana-Champaign, IL.
- Invited Talk. University of Chicago Business School. Chicago, IL.
- Department Colloquium. Department of Psychology, Texas Tech. Lubbock, TX.
- Invited Talk. Max Planck Institute (Adaptive Behavior Group). Berlin, Germany.
- Department Colloquium. Department of Psychology and Peabody College, Vanderbilt University. Nashville, TN.
- Department Colloquium. Department of Psychology, UC Berkeley. Berkeley, CA.
- Department Colloquium. Department of Psychology, Northwestern. Evanston, IL.

2005

- Invited Talk. Australian Institute of Sport. Canberra, Australia.
- Invited Talk. 11th World Congress of Sport Psychology. Sydney, Australia.
- Invited Talk. Annual Meeting of the American Psychological Association (Division 3, Experimental Psychology). Honolulu, HI.
- Invited Talk. Annual Meeting of the Midwestern Psychological Association. Chicago, IL.
- Department Colloquium. Department of Health and Kinesiology, Purdue University. West Lafayette, IN.
- Invited Talk. Department of Psychology (Cognitive Psychology Group). University of California, Santa Barbara. Santa Barbara, CA.
- Department Colloquium. Department of Psychology, University of Chicago. Chicago, IL.
- Department Colloquium. Department of Human Movement Science, Vrije University. Amsterdam, The Netherlands.

2002-2004

- Department Colloquium. Department of Psychology, University of California, San Diego. San Diego, CA.
- Department Colloquium. Department of Psychology, Carnegie Mellon University. Pittsburgh, PA.
- Department Colloquium. Department of Psychology, University of North Carolina at Greensboro. Greensboro, NC.
- Department Colloquium. Department of Psychology, Georgia Institute of Technology. Atlanta, GA.
- Department Colloquium. Department of Psychology, Miami University. Oxford, OH.
- Department Colloquium. Department of Psychology, Florida State University. Tallahassee, FL.
- Department Colloquium. Department of Psychology, Southern Illinois University. Carbondale, IL.

Professional Activities**Editorships**

Cognition – Associate Editor; 2010-2014

Ad Hoc Journal Reviewer (invited and/or completed)

Science

Proceedings of the National Academy of Sciences (PNAS)

Frontiers in Cognition ***Editorial Board**

Journal of Experimental Psychology: Applied

*Journal of Experimental Psychology: General****Editorial Board (2010-2012)**

Journal of Experimental Psychology: HP&P ***Editorial Board (2010-2012)**

Journal of Experimental Psychology: Learning, Memory, & Cognition

Psychological Science

Psychological Bulletin

Psychological Review

Perspectives on Psychological Science.

Current Directions in Psychological Science

Trends in Cognitive Science (TICS)

Cognitive Psychology

Cognitive Science

Cognition

Scientific Reports

Psychonomic Bulletin & Review

Perception and Psychophysics

Memory and Cognition

Journal of Memory and Language

Brain and Language

Brain and Cognition

Cerebral Cortex

Journal of Neuroscience

Experimental Brain Research

Neuroscience Letters

Social Neuroscience

Social, Cognitive & Affective Neuroscience

Cognitive, Affective, & Behavioral Neuroscience

Neuroscience & Biobehavioral Reviews

Advances in Medical Education and Practice

PloS ONE

Brain Sciences

Journal of Pediatric Neuroradiology

Proceedings of the Royal Society B: Biological Sciences

Psychophysiology

Physiology & Behavior

Quarterly Journal of Experimental Psychology

European Journal of Cognitive Psychology

American Journal of Psychology ***Editorial Board**

Journal of Cognitive Psychology

The European Journal of Cognitive Psychology
Discourse Processes
European Psychologist
Anxiety, Stress, & Coping
International Journal of Psychology and Counselling
Psychology and Psychotherapy
Consciousness and Cognition
Emotion
Applied Cognitive Psychology
Stress and Health
Journal of Applied Research in Memory & Cognition
Human Factors
Social Epistemology
Journal of Educational Psychology
Action in Teacher Education
Educational Psychology
Educational Psychology Review
Educational Research & Review
Educational Research International
Teaching Education
Journal of Teaching and Teacher Education
European Journal of Psychology of Education
Developmental Psychology
Child Development
Language & Cognitive Processing
Journal of Speech, Language, and Hearing Research
Language Sciences
Journal of Clinical and Experimental Neuropsychology
Developmental Neuropsychology
Developmental Science
Early Child Development and Care
Review of General Psychology
Journal of Experimental Child Psychology
Journal of Cognition and Development
Journal of Personality and Social Psychology
Personality and Social Psychology Bulletin
Personality and Social Psychology Review
Journal of Experimental Social Psychology
Social Cognition
Psychology & Aging
Philosophical Psychology
Journal of Political Economy
Methods
SAGE Open
Translational Psychiatry
Behavioral Research Methods
International Journal of Behavioral Research & Psychology (IJBRP)

Sport, Exercise, & Performance Psychology ***Editorial Board (2011-2012)**
Journal of Sport & Exercise Psychology ***Editorial Board (2005-2012)**
Journal of Motor Behavior
Journal of Motor Learning & Development
Scandinavian Journal of Medicine and Science in Sports
Journal of Sports Sciences
Medicine & Science in Sport & Exercise
Research Quarterly for Exercise and Sport
Human Movement Science
Psychology of Sport & Exercise ***Editorial Board (2011-2012)**
The Sport Psychologist International Journal of Sport Psychology
Women in Sport and Physical Activity Journal
Psycho-Oncology
Advances in Medical Education and Practice
Social Psychological and Personality Science
Social Behavior and Personality
Social Psychology of Education
NeuroImage
Neuroscience & Biobehavioral Reviews
Motivation and Emotion
Motivational Science
Neuroscience and Biobehavioral Reviews
Journal of the Royal Society Interface
Neuropsychologia
Reviews in Neurosciences

Other Review Activity

Grant Reviewer, Spencer Foundation
 Grant Reviewer, Grant Panel, IES, U.S. Department of Education (2010, 2014)
 Grant Reviewer, National Science Foundation
 Grant Reviewer, Social Sciences and Humanities Research Council of Canada
 Grant Reviewer, Research Grants Council, Hong Kong
 Dissertation Examiner, Victoria University of Technology, Australia
 Book proposal reviewer, Sage Publications

Professional Service (since 2005)

Psychonomics Society early career award selection committee, 2014
 National Research Council committee on mine safety (decision making and stress), 2012-2013
 Alumni Advisory Board. Department of Cognitive Science. UCSD, 2008-present
 APS Program Committee (Cognitive Track) for the Annual Meeting, 2008-2011
 Chicago Area Undergraduate Research Symposium (CAURS) Judge, 2008
 Motor Learning & Control program committee chair, NASPSPA Annual Conference, June 2007
 Science Committee, APA Division 47, 2006-2008
 Motor Learning & Control program committee, NASPSPA Annual Conference, June 2006

University and Department Service (since 2005)

Steering Committee, Grossman Institute for Neuroscience, University of Chicago, 2014
 Provost's Oversight Committee for On-Line Learning, University of Chicago, 2013-2014
 Graham School of Continuing Education, Advisor, University of Chicago, 2013-2015
 Chair, Faculty Search, Department of Psychology, University of Chicago, 2011-2014
 Urban Teacher Educational Program Advisory Board, University of Chicago, 2012-2014
 Dean's Search Committee, Division of Social Sciences, University of Chicago, 2012
 Director of Graduate Studies, Department of Psychology, University of Chicago, 2011-2013
 Steering Committee, Department of Psychology, University of Chicago, 2010-2012
 Council of the University Senate, University of Chicago, 2010-2012
 Hiring Plan Committee Co-Chair, Dept. of Psychology, The University of Chicago, 2010-2012
 Student Affairs Committee, Dept. of Psychology, The University of Chicago; 2008-2010
 Integrative Humanities and Social Sciences Committee, The University of Chicago, 2008
 Graduate Admissions Committee, Dept. of Psychology, The University of Chicago; 2006, 2007

Professional Memberships

Society for Cognitive Neuroscience
 Society for Social Neuroscience
 Society of Experimental Psychologists, Fellow
 Association for Psychological Science, Fellow
 Midwestern Psychological Association, Fellow
 Psychonomic Society, Member
 The Cognitive Science Society
 Cognitive Development Society
 American Psychological Association, Division 3, Fellow
 The American Association for the Advancement of Science (AAAS), Fellow
 Society for Personality and Social Psychology
 Social Psychology Network
 Society for Research on Educational Effectiveness
 American Educational Research Association
 International Society of Sport Psychology
 North American Society for the Psychology of Sport and Physical Activity
 National Academy of Kinesiology, Fellow

Teaching Experience**Graduate Level**

Cognitive Psychology
 Attention & Memory
 Motor Learning & Control
 Embodied Cognition

Undergraduate Level

Cognitive Psychology
 Sport Psychology and Motor Learning
 Introduction to Kinesiology
 The Mind
 Sport, Science, & Society
 Educational Neuroscience

Supervision**Postdoctoral Level**

Kyoung Cho, Ph.D. (degree obtained in 2015 from Seoul National University, 2015-present
 Elise Agra, Ph.D. (degree obtained in 2015 from Kansas State University), 2015-present
 Chris Rozek, Ph.D. (degree obtained in 2014 from the University of Wisconsin), 2015-present
 Erin Maloney, Ph.D. (degree obtained in 2011 from the University of Waterloo), 2011-present
 Lisa Sprute, Ph.D. (degree obtained in 2012 from Dartmouth College), 2013-2015
 Daniel Lyons, Ph.D. (degree obtained in 2011 from the University of Wyoming), 2011-2014
 Jay Todd, Ph.D. (degree obtained in 2008 from Vanderbilt University), 2009-2011
 -Research Scientist. Exponent, 2011-present
 Neil Albert, Ph.D. (degree obtained in 2006 from UC Berkeley), 2009-2010
 -Program Officer. The Spencer Foundation, 2010-2013
 -Psychology Department, Colgate University, 2013-present

Graduate Level – Primary Advisor Role

Jalisha Braxton, 2016-present, 1st year Ph.D. student, The University of Chicago
 Nancy Pantoja, 2016-present, 1st year Ph.D. student, The University of Chicago
 Julianne Herts, 2014-present, 3rd year Ph.D. student, The University of Chicago
 Marjorie Schaffer, 2013-present, 4th year Ph.D. student, The University of Chicago
 -NSF graduate student fellowship (honorable mention)
 -Milgrom Family Foundation predoctoral grant
 Andrea Henry, 2013-present, 5th year Ph.D. student, The University of Chicago
 Jason Sattizahn, 2012-present, 5th year Ph.D. student, The University of Chicago
 -NSF graduate student fellowship (honorable mention)
 Hyesang Chang, 2012-present, 5th year Ph.D. student, The University of Chicago
 Carly Kontra, Ph.D. 2014. The University of Chicago
 -NSF graduate student fellowship (honorable mention)
 -Researcher, Medallia
 Daeun (Annie) Park, Ph.D. 2014. The University of Chicago
 -Postdoc at the University of Pennsylvania with Angela Duckworth, 2014-present

Gerardo Ramirez, Ph.D. 2013, The University of Chicago
 - IES Outstanding Pre-Doctoral Fellow Award, 2013
 - University of California Presidential Postdoc, UCLA, 2013-2014
 - Assistant Professor of Psychology and Education, UCLA, 2014-present

Ian Lyons, Ph.D. 2012, The University of Chicago
 -Postdoc at the University of Western Ontario with Daniel Ansari, 2012-present
 -Banting Fellowship, 2014-present
 -Assistant Professor of Psychology, Georgetown University, 2015-present

Andrew Mattarella-Micke, Ph.D. 2012, The University of Chicago
 -Postdoc at Vanderbilt University & Stanford University with Bruce McClelland, 2012-present

Shu-Ju Yang, Ph.D. 2011, The University of Chicago
 -Market Insight Manager. Cigna, 2015-present
 -Research Scientist. Razorfish, 2011-2014

Marci Sammons DeCaro, Ph.D. 2009, Miami University
 -Postdoc at Vanderbilt University, 2009-2011
 -Assistant Professor of Psychology, University of Louisville, 2011-present

Hayley Feigl, M.A. 2015, The University of Chicago

Ana Chocarro, M.A. 2012, The University of Chicago

Emma McGuire, M.A. 2012, The University of Chicago

Danielle Rendina, M.A. 2012, The University of Chicago

Oana Basu, M.A. 2011, The University of Chicago

Hyesang Chang, M.A. 2011, The University of Chicago

Kay Striggo, M.A. 2010, The University of Chicago
 -PhD student in Learning Sciences at Northwestern University, 2011-present

Kristin Rotar, M.A. 2009, The University of Chicago

Richard Redding, M.A. 2008, The University of Chicago

Sonica Dillon, M.A. 2006, The University of Chicago

Lauren Holt, M.A. 2005, Miami University

Graduate Level – Committee Member

Steven Gray, 2013, Trial Research (Masters), The University of Chicago

Courtney Filippi, 2013, Trial Research (Masters), The University of Chicago

Jessica Wong, 2013, Dissertation committee (Ph.D.), The University of Chicago

Elizabeth Allen, 2013, Dissertation committee (Ph.D.), The University of Chicago

Elizabeth Gunderson, 2013, Dissertation committee (Ph.D.), The University of Chicago

Leanne Beaudoin, 2012, Dissertation committee (Ph.D.), The University of Chicago

Rachel Fisher, 2012, Trial Research (Masters), The University of Chicago

Ian McDonough, 2011, Dissertation committee (Ph.D.), The University of Chicago

Michael Andric, 2011, Dissertation committee (Ph.D.), The University of Chicago

Neon Brooks, 2011, Trial Research (Masters), The University of Chicago

Jessica Wong, 2010, Trial Research (Masters), The University of Chicago

Eve Sauer, 2010, Dissertation committee (Ph.D.), The University of Chicago

Raedy Ping, 2010, Dissertation committee (Ph.D.), The University of Chicago

Leanne Beaudoin, 2009-present, Dissertation committee (Ph.D.), The University of Chicago

Marc Hernandez, 2009, Dissertation committee (Ph.D.), The University of Chicago

Elizabeth Allen, 2009, Trial Research (Masters), The University of Chicago

Sean Bradley, 2008, Trial Research (Masters), The University of Chicago

Liesje Spaepen, 2008, Dissertation reader (Ph.D.), The University of Chicago
 Pat Zimmerman, 2008, Trial Research (Masters), The University of Chicago
 Ian McDonough, 2008, Trial Research (Masters), The University of Chicago
 Shali Wu, 2007, Dissertation committee (Ph.D.), The University of Chicago
 Tiffany Bloomfield, 2007, Trial Research (Masters), The University of Chicago
 Michael Andric, 2007, Trial Research (Masters), The University of Chicago
 Kim Fenn, 2006, Dissertation committee (Ph.D.), The University of Chicago
 Susan Wagner-Cook, 2006, Dissertation committee (Ph.D.), The University of Chicago
 Matt Longo, 2006, Dissertation committee (Ph.D.), The University of Chicago

Undergraduate Level – Award Winners and Senior Honors Projects

Kylie Nolla, 2013-2015: Northwestern summer research award (SROP); Norman Anderson Award
 Emily Greenwood, 2013: Senior Honors Thesis
 -Graduate student in psychology at the University of Rochester. 2013-present
 Larisa Hussak, 2012: Senior Honors Thesis
 -Graduate student in psychology at the University of Illinois. 2012-present.
 Bradan Litzinger, 2011: Senior Honors Thesis
 Allison Liu, 2011: Earl R. Franklin Research Fellowship; Senior Honors Thesis
 -Graduate student in psychology at University of Pittsburgh. 2011-present.
 Ji-Sook Yim, 2010: Senior Honors Thesis
 Kristen Uyemura, 2010: Senior Honors Thesis
 Sonia Lahr-Pastor, 2009: Senior Honors Thesis, NIH Neuroscience Grant
 Matthew Cieslak, 2009: Senior Honors Thesis, NIH Neuroscience Grant, PRISM Grant
 -Graduate student in psychology at UCSB. 2010-present.
 Melisa Borkon, 2005-2006: Honors Thesis, DUOS/Undergraduate Scholarship
 Heather Fortine, 2005: Summer Scholar Award
 Sara Gonso, 2004-2005: Honors Thesis, Undergraduate Research Award
 Lindsay Agee, 2004-2005: Undergraduate Research Award
 Christy Ring, 2004-2005: Undergraduate Research Award
 Brian Sipotz, 2003-2004: Undergraduate Research Award

Popular Press

Select Radio and Television Interviews

National Public Radio, Talk of the Nation: Science Friday; October, 2015
 National Public Radio, All Things Considered; October, 2015
 Slate Magazine Parent Podcast; August, 2015
 BBC World News; August, 2015
 The Today Show; August, 2015
 American Public Radio; June, 2015
 WGN Chicago Morning News; July, 2014
 WGN Chicago; August, 2013
 SportsCenter (ESPN); January, 2013
 AAAS Science Round-Up (Podcast); January, 2013
 ABC Nightly News (Chicago); November, 2012
 Chicago Public Radio (NPR); November, 2012
 BBC World Service; October, 2012
 NOVA Science Now (PBS); How Smart Can We Get? October, 2012

Morning Edition (NPR); July, 2012
 WGN Chicago; July, 2012
 This American Life (NPR); April, 2012
 ABC World News with Diane Sawyer; February, 2012
 KQED (NPR); January, 2012
 Speed TV; November, 2011
 ABC World News with Diane Sawyer; September, 2011
 CBC Radio; April, 2011
 BBC World Service – Science in Action; January, 2011
 CBS News Radio; January, 2011
 Scientific American Podcast; January, 2011
 Voice of America; January, 2011
 WGN Radio, Chicago; January, 2011
 Connect with Mark Kelley (CBC television); January, 2011
 The Jefferson Exchange (NPR); November, 2010
 The Laura Ingram Show; November, 2010
 The John Batchelor Show; November, 2010
 Chicago Public Radio (NPR); November, 2010
 Quirks and Quarks (CBC); October, 2010
 Martha Stewart Radio Whole Living; October, 2010
 KERA-FM (Dallas, TX); October, 2010
 WNPR-FM (Connecticut); October, 2010
 Books & Authors, Voice of America; September 2010
 KVON-AM (Napa, CA); September, 2010
 Lifestyle Talk Radio Network; September, 2010
 The Diane Rehm Show (NPR); September, 2010
 Public Radio International (PRI), The Takeaway; April, 2010
 Chicago Public Radio (NPR); January, 2010
 AP Radio; January, 2010
 KCBS News San Francisco; January, 2010
 ABC Radio Australia; September, 2008
 BBC World Service; September, 2008
 WCVB News Boston; June, 2007
 KTVU News San Francisco; June, 2007
 Chicago Tonight, PBS Evening News; May 30th, 2007
 CNN, America Morning; February 9, 2005
 Canadian Broadcasting Company, Sports Journal; February 1, 2003
 Canadian Broadcasting Company Newsworld, Sports Journal; January 27, 2003
 National Public Radio, Todd Mundt Show; June 10, 2002
 KCSN Evening Update (Southern California); March 13, 2002
 WILX - Lansing/Jackson NBC Evening News; February 22, 2002
 National Public Radio, Talk of the Nation: Science Friday; February 8, 2002
 WBV Radio News (Boston); January 29, 2002
 Canadian Broadcasting Company, Quirks & Quarks; December 21, 2001

Select Magazine, Newspaper, Internet, and Press Coverage

ABC News; October, 2011
 ABC News; January, 2011
 ABC News; January, 2010
 ABC News.com; August, 2013
 ABC News.com; August, 2012
 ABC News.com; December, 2001
 APA Monitor; January, 2005
 APA Monitor; February, 2002
 Associated Press; August, 2012
 Associated Press; January, 2011
 Associated Press; January, 2010
 Baltimore Sun; January, 2011
 Baltimore Sun; January, 2010
 Baltimore Sun; April, 2003
 BBCnews.com; November, 2011
 BBCnews.com; December, 2001
 Boston Globe; January, 2011
 Boston Globe; October, 2010
 Brisbane Times; January, 2011
 BusinessWeek; January, 2011
 Canadian Press (CP); December, 2001
 CBS News; August, 2015
 CBS News; January, 2010
 CBShealthwatch.com; December, 2001
 Chicago Magazine; November, 2006
 Chicago Sports Weekly; January, 2008
 Chicago Sun Times; February, 2012
 Chicago Tribune; November, 2012
 Chicago Tribune; January, 2011
 Chicago Tribune; January, 2010
 Chicago Tribune; November, 2010
 Chicago Tribune; May, 2007
 Chicago Tribune; March, 2005
 Chronicle of Higher Education; March, 2005
 Cincinnati Enquirer; February, 2005
 Cleveland Plain Dealer; December, 2004
 Cleveland Plain Dealer; December, 2001
 CNN.com; October, 2012
 CNN.com; April, 2012
 CNN.com; January, 2011
 CNN.com; February, 2007
 Cosmopolitan; January, 2011
 Courier Mail; January, 2011
 CTV.Ca; September, 2008
 Daily Health Report; January, 2011
 Daily Telegraph (UK); January, 2011
 Daily Telegraph (UK); September, 2008
 Daily Telegraph (UK); May, 2007
 Detroit Free Press; January, 2010
 Detroit Free Press; March, 2005
 Discover Magazine; September, 2010
 Discover Magazine; May, 2002
 Education Week; August, 2015
 Education Week; October, 2012
 Education Week; October, 2011
 Education Week; May, 2011
 Education Week; January, 2011
 Education Week; February, 2007
 ESPN; March, 2016
 ESPN; September, 2015
 ESPN; August, 2012
 ESPN The Magazine; March, 2012
 Fast Company; June 2015
 Fast Company; January 2015
 Forbes; May, 2016
 Forbes; January, 2016
 Forbes; March, 2013
 Forbes; February, 2012
 Forbes; October, 2011
 Forbes; January, 2011
 Forbes; January, 2010
 Forbes; March, 2007
 Fortune; October, 2017
 Globe & Mail; October, 2012
 Globe & Mail; July, 2012
 Globe & Mail; December, 2009
 Houston Chronicle; January, 2011
 Houston Chronicle; April, 2003
 Huffington Post; May, 2012
 Huffington Post; May, 2011
 Huffington Post; January, 2011
 International Business Times; January, 2011

Kansas City Star; January, 2011
 LiveScience.com; January, 2011
 LiveScience.com; February, 2005
 London Daily Telegraph; January, 2011
 London Times; December, 2001
 Los Angeles Times; November, 2012
 Los Angeles Times; January, 2011
 Los Angeles Times; January, 2010
 Los Angeles Times; December, 2001
 Medical News Today; January, 2011
 Medical News Today; May, 2007
 Men's Health; June, 2012
 Men's Health; May, 2002
 Miami Herald; August, 2011
 MSN Health & Fitness; January, 2011
 MSNBC; August, 2011
 MSNBC; January, 2011
 MSNBC; October, 2010
 MSNBC; August, 2010
 National Geographic; November, 2012
 NBC.com; November, 2012
 New Scientist; July, 2011
 New Scientist; July, 2009
 New York Magazine; August, 2015
 New York Magazine; January, 2015
 New York Times; August, 2015
 New York Times; June, 2013
 New York Times; April, 2012
 New York Times; June, 2011
 New York Times; March, 2011
 New York Times; January, 2010
 New York Times; February, 2006
 New York Times; December, 2004
 New Yorker; June, 2012
 New Yorker; January, 2011
 Newsday; January, 2011
 Newsweek; November, 2011
 NPR Marketplace; August, 2015
 NPR.org; February, 2015
 Psychology Today; January, 2015
 Psychology Today; August, 2009
 Psychology Today; September, 2008
 Psychology Today; June, 2002
 Puttingzone.com; February, 2002
 Reuters; May, 2007
 Reuters; February, 2007
 Reutershealth.com; September, 2001
 Sacramento Bee; January, 2011
 Salon; January, 2011
 San Diego Union Tribune; January, 2011
 San Francisco Chronicle; August, 2012
 San Francisco Chronicle; January, 2011
 San Francisco Chronicle; January, 2010
 San Jose Mercury News; January, 2011
 Science Daily; January, 2011
 Science Daily; January, 2010
 Science Daily; September, 2010
 Science Daily; May, 2007
 Science Daily; February, 2007
 Science Magazine; January, 2010
 Science News; April, 2012
 Science News; January, 2011
 Science Now; January, 2011
 Science, Editor's Choice Review; December, 2004
 ScienceDaily.com; May, 2009
 ScienceDaily.com; December, 2008
 Scientific American Mind Matters; December 2007
 Scientific American Online; February, 2002
 Seattle Times; January, 2011
 Seattle Times; January, 2010
 Smithsonian Magazine; July, 2012
 Sports Illustrated; July, 2013
 Sports Illustrated; August, 2012
 Slate.com; July, 2016
 Slate Magazine; March, 2013
 Teacher Magazine; April, 2007
 Telegraph (UK); January, 2010
 The Atlantic; October, 2013
 The Atlantic; December, 2011
 The Atlantic; August, 2010
 The Canadian Press; January, 2011
 The Guardian (UK); January, 2010
 The Guardian (UK); April, 2008
 TIME Magazine; February 11th, 2013

TIME Magazine; February, 2013
 TIME Magazine; November, 2012
 TIME Magazine; July, 2012
 TIME Magazine; January, 2011
 Time.com; April, 2016
 Time.com; May, 2014
 Time.com; February, 2014
 Time.com; September, 2010
 Toronto Globe & Mail; January, 2011
 Toronto Globe & Mail; May, 2007
 Toronto Globe & Mail; December, 2001
 Toronto Star; January, 2011
 Toronto Star; September, 2010
 Toronto Star; June, 2005
 Toronto Sun; October, 2011
 Toronto Sun; October, 2010
 Travelgolf.com; April, 2001
 Travelgolf.com; March, 2007
 Travelgolf.com; October, 2001
 Univ. of Chicago Magazine; February, 2006
 United Press International; October, 2011
 United Press International; September, 2010
 United Press International; December, 2001
 US News & World Report; August, 2015
 US News & World Report; August, 2012
 US News & World Report; October, 2011
 US News & World Report; January, 2011
 US News & World Report; January, 2010
 US News & World Report; September, 2010
 USA Today; October, 2010
 USA Today; August, 2008
 Vancouver Sun; August, 2011
 Vancouver Sun; January, 2006
 Vancouver Sun; June, 2005
 Wall Street Journal; January, 2015
 Wall Street Journal; October, 2011
 Wall Street Journal; August, 2011
 Wall Street Journal; April, 2011
 Wall Street Journal; January, 2011
 Wall Street Journal (book review); September, 2010
 Wall Street Journal; April, 2010
 Wall Street Journal; February, 2009
 Wall Street Journal; February, 2007
 Washington Post; August, 2012
 Washington Post; August, 2011
 Washington Post; May, 2011
 Washington Post; January, 2011
 Washington Post; December, 2001
 Wired Magazine; July, 2010
 Wired.com; September, 2010
 Wired.com; June, 2011
 Women's Health; October, 2010
 Women's World Weekly; November, 2010
 World Golf; October, 2010
 Yahoo News; January, 2010
 Yahoo Parenting; August, 2015