

Sarah Shomstein, PhD

Curriculum Vitae

September 2022

Department of Psychology
George Washington University
2125 G Street, NW
Washington, DC 20052

202. 994-5957 (*phone*)
202. 994-1602 (*fax*)
shom@gwu.edu (*e-mail*)
<http://home.gwu.edu/~shom/ACL/> (*web*)

BIOGRAPHICAL

Date of Birth September 8, 1976
Place of Birth: Kiev, USSR (now Ukraine)
Citizenship: United States of America

EDUCATION

2003 Johns Hopkins University, Ph.D. in Psychological and Brain Sciences
 Dissertation: Multimodal Control of Selective Attention: The role of parietal lobes during
 attentional shifts (Advisor: Steven Yantis)
2000 Johns Hopkins University, M.A. in Psychology
1998 Carnegie Mellon University, B.S. (Honors) in Psychology (PreMed minor)

PROFESSIONAL EMPLOYMENT

2019- Chair, Department of Psychological and Brain Sciences, George Washington University
2019- Hunt Professor, Department of Psychological and Brain Sciences, George Washington
 University
2018- Professor, Department of Psychology, George Washington University
2015- Affiliated Faculty, Center for Brain Plasticity and Recovery, Georgetown University
2013-2019 Director, Cognitive Neuroscience Program, Department of Psychology, GWU
2013-2018 Associate Professor (with tenure), Department of Psychology, George Washington University
2010- Affiliated Faculty, Institute for Neuroscience, George Washington University
2009- Affiliated Faculty, Mind-Brain Institute, George Washington University
2007-13 Assistant Professor, Department of Psychology, George Washington University
2003-07 Postdoctoral Fellow, Department of Psychology, Carnegie Mellon University
1998-03 Graduate Teaching and Research Fellow, Department of Psychology, Johns Hopkins University
1995-98 Research Assistant, Department of Psychology, Carnegie Mellon University

PROFESSIONAL AFFILIATIONS

International Neuropsychology Symposium
Society for Neuroscience
Association for Psychological Science
Vision Sciences Society
Psychonomic Society
Cognitive Neuroscience Society

EDITORIAL WORK

2021-present Editor in Chief, *Attention Perception & Psychophysics*
2020-2021 Associate Editor, *Visual Cognition*

2019-2020 Special Issue Co-Editor, *Current Opinion in Psychology: Attention & Perception*
 2014-2020 Associate Editor, *Psychonomic Bulletin and Review*
 2013-2020 Editorial Board, *Journal of Experimental Psychology: General*
 2011-2021 Editorial Board, *Attention, Perception, & Psychophysics*

AD-HOC JOURNAL REVIEWING

Attention, Perception and Psychophysics, Behavioral Neuroscience, Cerebral Cortex, Cognition, Cognitive Brain Research, Cognitive Neuropsychology, Cortex, Current Biology, Experimental Brain Research, Journal of Cognitive Neuroscience, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Human Perception and Performance, Journal of Neurophysiology, Journal of Neuroscience, Journal of Vision, Neuron, Neuropsychologia, Neuropsychology, PLOS One, Proceedings of the National Academy of Science (PNAS), Psychological Science, Psychonomic Bulletin & Review, Stroke Visual Cognition, Vision Research

GRANT REVIEWING

National Science Foundation (NSF)
 National Institutes of Health (NIH), FO2B
 The Israel Science Foundation (ISF)
 Netherlands Organization for Scientific Research (NWO)
 The Wellcome Trust, UK
 Natural Sciences and Engineering Research Council (NSERC), Canada
 Brain Canada, Canada
 Georgia National Science Foundation, Georgia
 The Chateaubriand grant program, French Embassy
 FoVea Travel and Networking Award Reviewer (VSS 2017, 2018, 2019, 2020)

CONFERENCE REVIEWING

2021 Abstract Reviewer, European Conference on Visual Perception (ECVP)
 2018- Abstract Reviewer, Vision Sciences Society (VSS)
 2007-09 Organizer, *Object Perception, Attention & Memory* conference (OPAM, www.opam.net)
 2004-05 Abstract Reviewer, Organization for Human Brain Mapping (OHBM)

ACTIVE GRANTS

2020-2024 **National Science Foundation (BCS-2022572)**
 Title: Neural dynamics underlying working memory maintenance.
 PIs: Sarah Shomstein and Dwight Kravitz
 Total Costs: \$723,289

2019-2023 **National Science Foundation (BCS-1921415)**
 Title: Guidance of attention by task-irrelevant information.
 PI: Sarah Shomstein
 Total Costs: \$654,941

2019-2022 **Australian Research Council (ARC-DP190102916)**
 Title: A new look at perceptual expertise: The attentional Gestalt framework.
 PIs: Kim Curby, Mary Peterson, and Sarah Shomstein
 Total Costs: \$268,054

COMPLETED GRANTS

- 2018-2020 **GWU Cross-Disciplinary Research Fund (CDRF)**
Title: A cross-disciplinary examination of a novel weight-bearing dual-task intervention in older adults.
PIs: Keith Cole, Sarah Shomstein
Total Costs: \$49,969
- 2015-2020 **National Science Foundation (BCS-1534823)**
Title: Intrusive effects of task irrelevant semantic information on visual selective attention
PI: Sarah Shomstein
Total Costs: \$564,472
- 2011-2015 **National Institutes of Health (RO1-EY 021771)**
Title: Role of ground plane in judging absolute distance after brief glimpses of real environments
CO-I: Sarah Shomstein; PI: John Philbeck
Total Costs: \$941,250
- 2011-2015 **National Science Foundation (BCS-1059523)**
Title: Uncertainty reduction. The Guiding Principle of Attentional Allocation
PI: Sarah Shomstein
Total Costs: \$449,161
- 2011-2015 **National Institutes of Health (R21-EY021644)**
Title: Cortical responses, and their modification, with limited attentional control
PI: Sarah Shomstein
Total Costs: \$392,754
- 2012-2013 **University Facilitating Fund (UFF)**
Title: Reorganization of Visual Processing in Macular Degeneration.
PI: Sarah Shomstein
Total Costs: \$24,993
- 2011-2012 **MFA Collaborative Research Award, George Washington University**
Title: Neuro-rehabilitation Following Stroke of Patients with Parietal Lobe Damage
PI: Sarah Shomstein, PhD
CO-PI: Kathleen Burger, D.O.
Total Costs: \$40,000
- 2010-2012 **Dilthey Award, George Washington University**
Title: Attention and Language Performance in Patients with Brain Damage
PI: Sarah Shomstein, Ph.D.
CO-PI: Adrienne Hancock, Ph.D.
Total Costs: \$11,965
- 2007-2010 **National Institutes of Health, subcontract (#5 R24 HD050836-03)**
Title: Research Methods for Cognitive Rehabilitation
PI: John Whyte, MD, PhD (Albert Einstein Health Network)
Co-PI: Sarah Shomstein, Ph.D (George Washington University)
Total Costs: \$33,219
- 2007-2010 **CRT Bank/Foundation of Torino, Italy**
PI: Sarah Shomstein, Ph.D (George Washington University)
CO-PI: Marco Neppi-Modona (University of Torino, Italy)
Total Costs: €63,700
- 2008 **Faculty Development Grant, George Washington University**

PI: Sarah Shomstein, PhD
Total Costs: \$9,000

HONORS, FELLOWSHIPS, AND AWARDS

2022	Finalist, Trachtenberg Prize for Teaching Excellence
2019	Columbian Prize for Excellence in Teaching and Mentoring Advanced Undergraduate Students Columbian College of Arts and Sciences, George Washington University
2018	Faculty speaker (nominated by students, selected by the Dean), CCAS Commencement
2018	Nominated for the GWU Teaching Award, George Washington University
2017	Elected member, The International Neuropsychological Symposium
2016	CCAS Enhanced Travel Award, George Washington University
2014	Nominated for the Bender Teaching Award, George Washington University
2010	Nominated for the Bender Teaching Award, George Washington University
2004	Women in Cognitive Science Travel Award
2004	Organization for Human Brain Mapping (OHBM) Travel Award
2003	Graduate Student Award at the 4 th International Multisensory Research Forum
1997	Howard Hughes Undergraduate Fellowship
1996	NIMH Undergraduate Fellowship
1996	Undergraduate Research Grant, Carnegie Mellon University

INVITED TALKS

2022	Kavli Summer Institute Cognitive Neuroscience, UC Santa Barbara	Invited Lecturer
2021	Lectures Without Borders Glenelg High School, MD	Public Lecture (HOSA: Future Health Professionals)
2020	University of Toronto	Research Lecture
	Science in Society, Montgomery County Institute Brain and Behavior Amsterdam (iBBA)	Public Lecture Departmental Colloquium
2019	Wake Forest University, Winston-Salem, NC	Departmental Colloquium
	Kavli Summer Institute Cognitive Neuroscience	Instructor (rescheduled due to COVID-19)
	USA Science and Engineering Festival	HS presentation (rescheduled due to COVID-19)
2018	Evening with an Expert, Bethesda, MD	Public Lecture
	Seneca Valley High School, Germantown, MD	Public Lecture (Nifty Fifty talk for the USA Science and Engineering Festival)
	George Washington University	Autism Institute Colloquium
	University of Wisconsin-Milwaukee	Departmental Colloquium
2017	George Washington University	Public Lecture, Colonial Weekend
	German International School DC	Public Lecture (Nifty Fifty talk for the USA Science and Engineering Festival)
2017	University of Delaware	Departmental Colloquium
	University of British Columbia, Vancouver, BC	Departmental Colloquium
	NSF/SRC joint workshop, San Jose, CA	Intelligent Cognitive Assistant (ICA), presenter and panel discussant
	NSF/ESRC joint workshop, Liverpool, UK	Changing Work, Changing Lives in the New Technological World
	Yorktown High School	Public Lecture (Nifty Fifty talk for the USA Science and Engineering Festival)
	Implicit Guidance of Attention, VSS Workshop	Invited Speaker

	Georgetown University	Departmental Colloquium
	What is Attention? Workshop, Pittsburgh	Invited Speaker
	University of Maryland	Department Colloquium
	George Mason University	Departmental Colloquium
2016	Smithsonian Associates	Public Lecture, Invited Speaker and Discussant
	Not Old Better Show	Podcast Guest
	International Neuropsychological Symposium	Invited Speaker
	National Institutes of Health	Invited Speaker
2015	University of Toronto	Departmental Colloquium
	National Rehabilitation Hospital	Invited Speaker
	University of Arizona	Departmental Colloquium
2014	University of Virginia	Departmental Colloquium
	National Rehabilitation Hospital	Invited Speaker
2013	ARO: Visual Search Meeting	Invited Speaker
	DC Science Café	Public Lecture, Invited Speaker and Discussant
	Center for Neural Basis of Cognition (CNBC)	Seminar
	Carnegie Mellon and University of Pittsburgh	
2012	GW Institute for Neuroscience Symposium	Invited Symposium, Vision, Cognition, and Autism
	Columbia University	Departmental Colloquium
2011	Inter-Science of Learning Center (NSF)	Invited Symposium
	Neuroscience Institute, GWU	Seminar Series
2010	National Rehabilitation Institute	Departmental Colloquium
2009	International Stroke Conference	Invited Symposium, Hemineglect: Physiology, Assessment, and Treatment
	University of New Hampshire	Departmental Colloquium
	George Washington University	Invited Symposium, fMRI Training Workshop
2008	George Mason University	Departmental Colloquium
2007	George Washington University	Departmental Colloquium
	City College of New York	Departmental Colloquium
	Case Western University	Departmental Colloquium
2006	University of Pittsburgh Medical Center	Stroke Institute
	National Institute of Health (NIH)	Laboratory of Brain and Cognition (LBC)
	Michigan State University	Departmental Colloquium
2005	University of Pittsburgh	Brain Imaging Research Center (BIRC)
	Brandeis University	Departmental Colloquium
	University of Massachusetts (Amherst)	Departmental Colloquium
2004	Carnegie Mellon University	Center for Neural Basis of Cognition (CNBC)

FORMER POST-DOCTORAL ASSOCIATES

George L. Malcolm	Associate Professor at University of East Anglia, UK
Selene Schintu	Research Scientist, University of Rovereto
Summer Sheremata	Assistant Professor at Florida Atlantic University
Fatma Uyar	Lead, Analytics Data Integration Developer, UPMC Health Plan
Junjun Zhang	Assistant Professor at University of Chengdu, China
Stephen Adamo	Postdoc, University of South Florida
Nicoletta Caputi	University of L'Aquila

FORMER GRADUATE STUDENTS

Leslie Drummond	Research Scientist, Naval Medical research Unit-Dayton
-----------------	--

Jeongmi Lee	Assistant Professor, Korea Advanced Institute of Science and Technology
Breana Carter	Postdoctoral Fellow, University of Maryland
Andrew J. Collegio	Research Scientist, Bose
Joseph (Chong-In) Nah	Postdoctoral Fellow, UC Davis
Dick Dubbelde	Adjunct Professor, George Washington University

CURRENT POST-DOCTORAL ASSOCIATES

Xiaoli Zhang
Jonathan Doyon (Co-advising with Dr. Gabriela Rosenblau)
Shira Domb (Co-advising with Dr. Dwight Kravitz)

CURRENT GRADUATE STUDENTS

Ellie Robbins (5th year)
Kira Wegner-Clemens (4th year)
Sanika Paranjape (2nd year, co-advised with Dr. Dwight Kravitz)
Kelly McEvoy (1st year)

CURRENT UNDERGRADUATE RESEARCH ASSISTANTS

FORMER RESEARCH ASSISTANTS/ADVISEES

Eric Wing
Silas Larsen
Jacoba Johnson
Sarah Mayer-Brown
Anna Byers
Emily Bilger
Alexandra Fleszar
Allison Binder
Tatiana Kliorina (post-baccalaureate RA)
Sarah Weiss
Daniel Feldman
Ian Donovan
Juliana Heimur
Nichole Maynard
Daniel Feldman
Marie McGrory
Wade Mollison
Rachel Stein
Chris Nessi
Alexander Etz
Alana Whitman (summer high school intern)
Simeon Kakpovi (summer high school intern)
Alina Grigorovich
Madeline Taggart
Courtney Martin
Linsey Mathew
Allison Tebe
Michael Velez
Kelsey Mauro
Daniel Gurrieri

Chloe Stephenson-Wright
Alana Rusoniss
Michelle Rattinger
Paul Scotti
Efim Oykhman
Fatou Sarr
Camila De la Cruz
Liza Broydo (high school intern)
Kousalya Gaddam (high school intern)
Sofia Kaplunovich (high school intern)
Eden Lefit

QUALIFYING/ADVANCED EXAM COMMITTEES

Jessey Sargent, Cognitive Neuroscience
Chris Hydock, Cognitive Neuroscience
Courtney Wallin, Cognitive Neuroscience
Adam Woods, Cognitive Neuroscience
Rachel Wynn, Cognitive Neuroscience
Hyoun Kyoung Pyoun, Cognitive Neuroscience
Courtney Wallin, Cognitive Neuroscience
Rachel Wynn, Cognitive Neuroscience
Matt Hitchins, Cognitive Neuroscience
Breana Carter, Cognitive Neuroscience
Andrew J. Collegio, Cognitive Neuroscience
Chunyu Teng, Cognitive Neuroscience
Joseph Nah, Cognitive Neuroscience
Chunyu Teng, Cognitive Neuroscience
AJ Collegio, Cognitive Neuroscience
Jeongyoon Lee, Cognitive Neuroscience
Simon Kaplan, Cognitive Neuroscience
Dick Dubbelde, Cognitive Neuroscience

PHD THESIS DEFENSE COMMITTEES

Joeanna Arthur, Cognitive Neuroscience
Adam Woods, Cognitive Neuroscience
Bethany Stangle, Cognitive Neuroscience
Chris Hydock, Cognitive Neuroscience
Rebecca Weldon, Cognitive Neuroscience
Leslie Drummond, Cognitive Neuroscience
Jeongmi Lee, Cognitive Neuroscience
Courtney Wallin, Cognitive Neuroscience
Hyoun Kyoung Pyoun, Cognitive Neuroscience, 2017
Rachel Wynn, Cognitive Neuroscience, 2017
Laura Reya, Anthropology, 2017
Matt Hitchins, Cognitive Neuroscience, 2017
Breana Carter, Cognitive Neuroscience, 2017
Ann Carrigan, Psychology, Macquarie University, 2017
Andrew J. Collegio, Cognitive Neuroscience, 2018
Chunyu Teng, Cognitive Neuroscience, 2019
Chong-In Nah, Cognitive Neuroscience, 2019

Lindsay Houck, 2022

GENERAL DEPARTMENTAL/UNIVERSITY SERVICE: ONGOING

1. Department Chair, 2019-present
2. Presenter, Academic Experience at Colonial Inauguration, GWU, 2010-
3. Judge Captain, University Research Day Competition, 2012-
4. Faculty Mentor, George Washington Institute for Neuroscience (for Dr. Guangying Wu), 2012-
5. Program Area Advisor, Department of Psychology, 2012-
6. Director, Cognitive Neuroscience Program, Department of Psychology, 2013-
7. Member of Advisory Council on Research, Office of Vice President for Research (OVPR), 2013-
8. Faculty Mentor, George Washington Institute for Neuroscience (for Dr. Dwight Kravitz), 2014-
9. Dean's Advisory Council, GWU, 2016-
10. Dean's Advisory Council, Chair, GWU 2021-2022

GENERAL DEPARTMENTAL/UNIVERSITY SERVICE: PAST

1. APR research/scholarly activities committee, 2007
2. Review of dissertation requirements committee, 2008
3. Part-time faculty evaluation committee, 2008-2009
4. Faculty Representative, Admission Receptions, 2010-2012
5. Featured Faculty Member, April Visits, 2011
6. Representative, George Gamow Research Day, 2011-2013
7. Coordinator, First Year Brown Bag, 2012-2014
8. Reviewer, University Facilitating Fund Competition
9. Executive Committee, Department of Psychology, 2014-2016
10. Chair, Cognitive Neuroscience Search Committee, 2015

TEACHING

Cognitive Neuroscience; Graduate Seminar: Mechanisms of Plasticity; Graduate Seminar: Reward-based Perception; Graduate Seminar: Functional Neuroimaging; Honors Seminar, Visual Perception

PUBLISHED MANUSCRIPTS

- Dubbelde, D. & **Shomstein, S.** (2022). Mugs and Plants: Object Semantic Knowledge Alters Perceptual Processing with Behavioral Ramifications. *Psychological Science*.
- Schintu, S., Kravitz, D.J, Silson, E.H., Cunningham, C.S., Wasserman, E.M., & **Shomstein, S.** (2022). Dynamic changes in spatial representation within the posterior parietal cortex in response to visuomotor adaptation. *Cerebral Cortex*.
- Schintu, S., Gotts, S.J., Freedberg, M., **Shomstein, S.**, & Wassermann, E.M. (2022). Effective connectivity underlying neural and behavioral components of prism adaptation. *Frontiers Psychology*.
- Wegner-Clemens, K., Malcolm, G.L., & **Shomstein, S.** (2022). How much is a cow like a meow? A novel database of human judgements of audiovisual semantic relatedness. *Attention, Perception, and Psychophysics*, 84(4), 1317-1327.
- Shomstein, S.**, Dubbelde, D., & Zhang, X. (2022). Attention and platypuses. *Special Issue of WIREs Cognitive Science "What is Attention."*
- Nah, J.C., Malcolm, G.L., and **Shomstein, S.** (2021). Task-irrelevant semantic properties of objects impinge on sensory representations within the early visual cortex. *Cerebral Cortex Communications*, 10:2(3).
- Adamo, S. Gereke, B, Shomstein, S. and Schmidt, J. (2021). Satisfaction of Search” to “Subsequent Search Misses”: A review of multiple-target search errors across radiology and cognitive science. *Cognitive Research: Principles and Implications*, 6:59.
- Schintu, S., Cunningham, C.A., Freedberg, M., Taylor, P., Gotts, S.J., **Shomstein, S.**, and Wasserman, E.M. (2021) Callosal anisotropy predicts attentional network changes after parietal inhibitory stimulation. *Neuroimage*.

- Nah, J.C and **Shomstein, S.** (2020) Target frequency modulates object-based attention. *Psychonomic Bulletin & Review*, 27(5), 981-989.
- Carther-Krone, T., Lawrence-Dewar, J., **Shomstein, S.**, Nah, J.C., Collegio, A.J., and Marotta, J. (2020). Neural correlates of perceptual grouping under conditions of inattention and divided-attention. *Perception*.
- VanElzakker, M., Felicione, J., Staples-Bradley, L., Panic, P., Dubois, S., Lasko, N.B., **Shomstein, S.**, Pitman, R., Orr, S.P., and Shin, L. (2020). Failure of attentional control is a vulnerability factor for PTSD: An identical twin study. *Biological Psychiatry*.
- Schintu, S., Freedberg, M., Gotts, S.J., Cunningham, C.A., Alam, Z.M., **Shomstein, S.**, and Wasserman, E.M. (2020). Prism adaptation modulates connectivity of the intraparietal sulcus with multiple brain networks. *Cerebral Cortex*.
- Geng, J.J., Leber, A.B., and **Shomstein, S.** (2019). Attention and Perception: 40 reviews, 40 views. *Current Opinion in Psychology*, Special Issue on Perception and Attention, doi: 10.1016/j.copsyc.2019.09.001.
- Gajewski, D., Zhang, J., **Shomstein, S.**, Nah, J.C., and Philbeck, J. (2019). Invalidly cued targets are well-localized when detected. *Attention, Perception, & Psychophysics*, 81(6):1757-1766, doi: 10.3758/s13414-019-01793-6.
- Shomstein, S.**, Malcolm, G.L., and Nah, J.C. (2019). Intrusive effects of task-irrelevant information on visual selective attention. *Current Opinion in Psychology*, Special Issue on Perception and Attention.
- Collegio, A.J., Nah, J.C., Scotti, P., and **Shomstein, S.** (2019). Attention scales according to inferred real-world object size. *Nature Human Behavior*, 3(1): 40, doi.org/10.1038/s41562-018-0485-2.
- Cifu, G., Power, M.C., **Shomstein, S.**, and Arem, H. (2018). Mindfulness-based interventions and cognitive function among breast cancer survivors: A systematic review. *Journal of Cancer Survivorship*, 18(1):1163, doi.org/10.1186/s12885-018-5065-3.
- Schintu, S., Freedberg, M., Alam, Z.M., **Shomstein, S.**, and Wasserman, E.M. (2018). Left-shifting prism adaptation boosts reward-based learning. *Cortex*, 109: 279-286, doi.org/10.1016/j.cortex.2018.09.021.
- Nah, J.C., Neppi-Modona, M., Strother, L., Behrmann, M., and **Shomstein, S.** (2018). Object width modulates object-based attentional selection. *Attention, Perception, and Psychophysics* 80(6): 1375-1389, doi: 10.3758/s13414-018-1530-y.
- Sheremata, S.L., Somers, D.C., and **Shomstein, S.** (2018). Visual short-term memory activity in parietal lobe reflects cognitive processes beyond attentional selection. *Journal of Neuroscience*, 38(6), 1511-19, doi: 10.1523/JNEUROSCI.1716-17.2017.
- Donovan, I., Pratt, J., & **Shomstein, S.** (2017). Spatial Attention is Necessary for Object-based Attention: Evidence from temporal order judgements. *Attention, Perception, and Psychophysics*, 79(3), 753-764, doi: 10.3758/s13414-016-1265-6.
- Sheremata, S. & **Shomstein, S.** (2017). Task set induces dynamic reallocation of resources in visual short-term memory. *Psychonomic Bulletin & Review*, 24(4), 1113-1120, doi: 10.3758/s13423-016-1181-8.
- Malcolm, G., Rattinger, M., and **Shomstein, S.** (2016). Intrusive Effects of Task Irrelevant Semantic Information on Visual Selective Attention. *Steven Yantis Special Issue of Attention, Perception, and Psychophysics*, 78(7), 2066-78, doi: 10.3758/s13414-016-1156-x.
- Shomstein, S.** & Gottlieb, J. (2016). Spatial and non-spatial aspects of visual attention: Interactive cognitive mechanisms and neural underpinnings. *Special Issue: Neuropsychologia*, 92, 9-19, doi: 10.1016/j.neuropsychologia.2016.05.021.
- Uyar, F., **Shomstein, S.**, Greenberg, A.S., & Behrmann, M. (2016). Retinotopic information interacts with category selectivity in human ventral cortex. *Special Issue: Neuropsychologia*, 92, 90-106, doi: 10.1016/j.neuropsychologia.2016.05.022.
- Carther-Krone, T. A., **Shomstein, S.**, & Marotta, J.J. (2016). Looking without perceiving: Impaired preattentive perceptual grouping in autism spectrum disorder. *PLOS ONE*, 11(6), doi: 10.1371/journal.pone.0158566.
- Behrmann, M. & **Shomstein, S.** (2015). Neural basis of hemispatial neglect. In: James D. Wright, *International Encyclopedia of Social and Behavioral Sciences*, 2nd edition, Vol 10. Oxford: Elsevier, pp. 766-772.
- Malcolm, G. & **Shomstein, S.** (2015). Object-based attention in real-world scenes. *Journal of Experimental Psychology: General*, 144(2), 257-263, doi: 10.1037/xge0000060.
- Sheremata, S. & **Shomstein, S.** (2014). Hemifield asymmetries differentiate VSTM for single- and multiple-

- feature objects. *Perception, Attention, and Psychophysics* Special Issue on Working Memory, doi: 10.3758/s13414-014-0689-0.
- Lee, J. & **Shomstein, S.** (2014). Reward-based transfer from bottom-up to top-down search. *Psychological Science*, 25(2), 466-475, doi: 10.1177/0956797613509284.
- Drummond, L. & **Shomstein, S.** (2013). The timecourse of space- and object-based attentional prioritization under varying degrees of certainty. *Frontiers in Integrative Neuroscience. Research Topic: Beyond Space-based or Feature-based Selection: Mechanisms of Object-based Attention*, 7:88, doi: 10.3389/fnint.2013.00088.
- Shomstein, S.** & Johnson, J. (2013). Shaping attention with reward: Effects of reward on space- and object-based attention. *Psychological Science*, 24(12), 2369-2378, doi: 10.1177/0956797613490743.
- Lee, J. & **Shomstein, S.** (2013). Differential effects of reward on space- and object-based attentional allocation. *Journal of Neuroscience*, 33(26), 10625-10633, doi: 10.1523/JNEUROSCI.5575-12.2013.
- Shomstein, S.** (2012). Cognitive functions of the posterior parietal cortex: Top-down and bottom-up attentional control. *Frontiers in Integrative Neuroscience*, 6:38, doi: 10.3389/fnint.2012.00038.
- Shomstein, S.**, Kravitz, D., & Behrmann, M. (2012). Attentional control: Temporal relationship within the fronto-parietal network. *Neuropsychologia*, 50 (6), 1202-1210, doi: 10.1016/j.neuropsychologia.2012.02.009.
- Shomstein, S.** (2012). Object-based attention: Strategy vs. Automaticity. *WIREs Cognitive Science*, 3, 163-169, doi: 10.1002/wcs.1162.
- Shomstein, S.** Lee, J., & Behrmann, M. (2010). Top-down and bottom-up attentional guidance: Investigating the role of the dorsal and ventral parietal cortices. *Journal of Experimental Brain Research: Special Issue on Visuo-Spatial Neglect in honor of Gino Pizzamiglio*, 206 (2), 197-208, doi: 10.1007/s00221-010-2326-z.
- Drummond, L. & **Shomstein, S.** (2010). Object-based attention: Shifting or uncertainty? *Attention, Perception, and Psychophysics*, 72(7), 1743-1755, doi: 10.3758/APP.72.7.1743.
- Shomstein, S.**, Kimchi, R., Hammer, M., and Behrmann, M. (2010). Perceptual grouping operates independently of attentional selection: Evidence from hemispatial neglect. *Attention, Perception, and Psychophysics*, 72 (3), 607-618, doi: 10.3758/APP.72.3.607.
- Behrmann, M. **Shomstein, S.**, and Kimchi, R. (2010). Conscious awareness of methodological choices: A reply to Milberg and McGlinchey". *Attention, Perception, and Psychophysics*, 72 (3), 619-621.
- Shomstein, S.** (2009). Attention: Effect of breakdown. In B. Goldstein (Ed.) *Encyclopedia of Perception*. SAGE Publications.
- Shomstein, S.** (2009). Attention: Spatial. In B. Goldstein (Ed.) *Encyclopedia of Perception*. SAGE Publications.
- Behrmann, M. & **Shomstein, S.** (2009). Attention: Object-based. In B. Goldstein (Ed.) *Encyclopedia of Perception*. SAGE Publications.
- Behrmann, M. & **Shomstein, S.** (2009). Spatial cognition and executive functions. In. Squire LR (ed.) *Encyclopedia of Neuroscience*, volume 9, pp. 173-179. Oxford: Academic Press.
- Shomstein, S.** & Behrmann, M. (2008). Object-based attention: Strength of object representation and attentional guidance. *Perception & Psychophysics*, 70 (1), 132-144.
- Shomstein, S.** & Behrmann, M. (2006). Cortical systems mediating visual attention to both objects and spatial locations. *Proceedings of the National Academy of Science (PNAS)*, 103(30), 11387-11392.
- Shomstein, S.** & Yantis, S. (2006). Parietal cortex mediates voluntary control of spatial and nonspatial auditory attention. *Journal of Neuroscience*, 26(2):435– 439.
- Serences, J., **Shomstein, S.**, Leber, A., Egeth, H., & Yantis, S. (2005). Coordination of voluntary and stimulus-driven attentional control in human cortex. *Psychological Science*, 16(2), 114-122.
- Shomstein, S.** & Yantis, S. (2004). Control of attention shifts between vision and audition in human cortex. *Journal of Neuroscience*, 24(47), 10702-10706.
- Behrmann, M., Geng, J. J., & **Shomstein, S.** (2004). Parietal cortex and attention. *Current Opinion in Neurobiology*, 14(2), 212-217.
- Shomstein, S.** & Yantis, S. (2004). Configural and contextual prioritization in object-based attention. *Psychonomic Bulletin & Review*, 11(2), 247-253.
- Shomstein, S.** & Yantis, S. (2002). Object-based attention: Sensory modulation or priority setting?. *Perception and Psychophysics*, 64 (1), 41-51.

Behrmann, M., **Shomstein, S. S.**, Black, S.E., & Barton, J. J. S. (2001). The eye movements of pure alexic patients during reading and nonreading tasks. *Neuropsychologia*, 39 (9), 983-1002.

CONFERENCE PRESENTATIONS

- Wegner-Clemens, K., Malcolm, G.L., and **Shomstein, S.** (2022, May). Audiovisual Semantic Relatedness of Real-World Objects. Poster presented at the annual meeting of the Vision Sciences Society. St. Pete Beach, FL.
- Doyon, J., **Shomstein, S.**, and Rosenblau, G. (2022, May). Representations of object-dissimilarity before and after concept learning. Poster presented at the annual meeting of the Vision Sciences Society. St. Pete Beach, FL.
- Dubbelde, R. and **Shomstein, S.** (2022, May). Mugs and Plants: Object Semantic Knowledge Alters Perceptual Processing with Behavioral Ramifications. Poster presented at the annual meeting of the Vision Sciences Society. St. Pete Beach, FL.
- Robbins, E., Dubbelde, R., and **Shomstein, S.** (2022, May). Contextual Effects on Size Perception of Semantic Objects. Poster presented at the annual meeting of the Vision Sciences Society. St. Pete Beach, FL.
- Zhang, X. and **Shomstein S.** (2021, May). Spatial uncertainty modulates object and spatial representations in human cortex. Poster presented at the annual meeting of the Vision Sciences Society. Virtual meeting.
- Schintu S., Freedberg M., Cunningham C.A., Gotts S., **Shomstein S.** and Wassermann E.M. (2020, May). Inhibitory rTMS over the right parietal cortex modulates functional connectivity. Poster presented at the annual meeting of the Cognitive Neuroscience Society. Boston, MA. Virtual Meeting
- Doyon, J. K., Darcey-Mahoney, A., Golding, C., **Shomstein, S.**, & Rosenblau, G. (2020, May). Potential biomarker for ASD: Reduced pupil responses to repeated multisensory stimuli in young children with autism. Poster presented at the annual meeting of the Cognitive Neuroscience Society. Boston, MA.
- Dubbelde, D. and **Shomstein, S.** (2020, May). Mugs and Plants: Insight into Objects' Function Biases Perception. Poster presentation delivered at the annual meeting of the Cognitive Neuroscience Society, online.
- Schintu S., Freedberg M., Cunningham C.A., Gotts S., **Shomstein S.** and Wassermann E.M. (2020, January). Inhibitory rTMS over the right parietal cortex modulates functional connectivity. Poster presented at the annual meeting of the European Workshop Cognitive Neuroscience. Brixen, Italy.
- Dubbelde, D. and **Shomstein, S.S.** (2019, November). Mugs and Plants: Insight into Objects' Function Biases Perception. Poster presentation delivered at the annual meeting of the Psychonomics Society, Montreal, QC.
- Dubbelde, D. and **Shomstein, S.S.** (2019, November). Mugs and Plants: Insight into Objects' Function Biases Perception. Poster presentation delivered at the annual meeting of Object Perception, Attention, and Memory (OPAM), Montreal, QC.
- Schintu S., Cunningham C.A., Freedberg M., Gotts S.J., **Shomstein S.** and Wassermann EM. (2019, October). Inhibitory rTMS over the right parietal cortex modulates functional connectivity. Poster presented at the annual meeting of the Society for Neuroscience. Chicago, IL.
- Dubbelde, D. and **Shomstein, S.** (2019, October). Insight into objects' function biases perception. Poster presented at the annual meeting of the Society for Neuroscience. Chicago, IL.
- Schintu, S., Cunningham, C.A., Freedberg, M.V., Gotts, S.J., **Shomstein, S.**, and Wasserman, E.M. (2019, October). Inhibitory rTMS over the parietal cortex modulates resting state functional connectivity. Poster presented at the annual meeting of the Society for Neuroscience. Chicago, IL.
- Schintu S., Freedberg M., Gotts S.J., Cunningham C.A., Alam Z.M., **Shomstein S.** and Wassermann E.M. (2019, June). Prism adaptation modulates connectivity of the intraparietal sulcus with multiple brain networks. Poster presented at the annual meeting of the NINDS/NIH. Bethesda, MD.
- Schintu, S., Freedberg, M., Gotts, S., **Shomstein, S.**, and Wassermann E.M. (2019, June). Prism adaptation differentially modulates resting-state functional connectivity. Poster presented at the annual meeting of the Organization for Human Brain Mapping. Rome, Italy.
- Nah, J.C., Malcolm, G.L., and **Shomstein, S.** (2019, May). Semantic associations between scenes and objects bias attention even when task-irrelevant. Poster presented at the annual meeting of the Vision Sciences Society. St. Pete Beach, FL.

- Robbins, E.R., Collegio, A.J., Nah, J.C., Dubbelde, R., and **Shomstein, S.** (2019, May). Effects of semantic information on task-irrelevant attentional processing. Poster presented at the annual meeting of the Vision Sciences Society. St. Pete Beach, FL.
- Dubbelde, R. and **Shomstein, S.** (2019, May). Object semantic knowledge can bias visual processing toward the dorsal and ventral stream. Poster presented at the annual meeting of the Psychonomic Society. New Orleans, LA.
- Carther-Krone, T. A., Lawrence-Dewar, J., Collegio, A.J., Nah, J.C., **Shomstein, S.**, and Marotta, J.J. (2019, May). Perception with and without attention: Neural correlates of grouping by similarity in preattention and divided-attention conditions. Poster presented at the annual meeting of the Psychonomic Society. New Orleans, LA.
- Nah, J.C., Malcolm, G.L., and **Shomstein, S.** (2018, November). Task-irrelevant semantic properties of real-world objects and scene influence visual attention. Poster presented at the annual meeting of the Psychonomic Society. New Orleans, LA.
- Schintu, S., Freedberg, M.V., Silson, E.H., Gotts, S., **Shomstein, S.**, and Wasserman, E.M. (2018, November). Prismatic adaptation modulates visual field coverage and resting state functional connectivity. Poster presented at the annual meeting of the Society for Neuroscience. San Diego, CA.
- Schintu, S., Silson, E., Alam, Z., Wasserman, E., and **Shomstein, S.** (2018, July). Prismatic adaptation modulates inter-hemispheric balance with a subsequent change in visual field coverage. Poster presented at the meeting of the Neurobiology of Cognition, Gordon Research Conference. Sunny River Newry, ME.
- Schintu, S., Silson, E., Alam, Z., Wasserman, E., and **Shomstein, S.** (2018, June). Prismatic adaptation modulates inter-hemispheric balance, inducing change in visual field coverage. Poster presented at the annual meeting of the Organization for Human Brain Mapping (OHBM), Singapore.
- Nah, J.C. and **Shomstein, S.** (2018, May). Task-irrelevant semantic relationships between objects and scenes guide visual attention. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Adamo, S., Nah, J.C., Collegio, A., Scotti, P., and **Shomstein S.** (2018, May). The flux capacitor account: A new account of multiple target visual search errors. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Schintu, S., Silson, E., Alam, Z., Wasserman, E., and **Shomstein, S.** (2018, May). Prismatic adaptation modulates interhemispheric balance with a subsequent change in visual field coverage. Paper presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Shomstein, S.** (2017, November). Attention: Challenges for Independent Cognitive Assistants, Independent Cognitive Assistants Workshop. Panelist and discussant at a workshop on Challenges for Independent Cognitive Assistants workshop.
- Shomstein, S.**, and Collegio, A. J. (2017, November). Intrusive effects of task-irrelevant information on visual selective attention. Paper presented at the annual meeting of the Psychonomic Society, Vancouver, BC, Canada.
- Collegio, A.J., Nah, J.C., Scotti, P.S., and **Shomstein, S.** (2017, November). Real-world object size affects attentional allocation. Paper presented at the annual OPAM meeting, Vancouver, BC, Canada.
- Collegio, A.J., Sheremata, S.L., Kravitz, D.J., and **Shomstein, S.** (2017, October) Spatial uncertainty modulates object and spatial representation in IPS. Paper presented at the annual meeting of the Society for Neuroscience, Washington, DC.
- Leach, S.J., Collegio, A.J., Costello, E., and **Shomstein, S.** (2017, October). Novel divided-attention stepping intervention improves gait and modulates motion perception during fMRI in balance-impaired older adults. Poster presented at the annual meeting of the Society for Neuroscience, Washington, DC.
- Nah, J.C., Malcolm, G.L., and **Shomstein, S.** (2017, October). Task-irrelevant semantic properties of objects modulate early visual cortical activity. Paper presented at the annual meeting of the Society for Neuroscience, Washington, DC.
- Schintu, S., Freedberg, M., Alam, Z.M., Wassermann, E.M., and **Shomstein, S.** (2017, October) Prismatic adaptation modulates feedback-based learning. Poster presented at the annual meeting of the Society for Neuroscience, Washington, DC.

- Shomstein, S.** (2017, August). Intrusion of task-irrelevant information on attentional guidance. Paper presented at the CSAIL conference, Hood River, OR.
- Adamo, S., Nah, J.C., Collegio, A.J., Scotti, P., & **Shomstein, S.** (2017, May). Does orientation matter? The effects of target orientation in multiple target visual search. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Scotti, P., Adamo, S., Mitroff, S., & **Shomstein, S.** (2017, May). Repetition priming preferentially benefits infrequent targets. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Schintu, S., Freedberg, M., Alam, Z., Wassermann, E., & **Shomstein, S.** (2017, May). Prismatic adaptation boosts feedback-based learning. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Nah, J.C., Neppi-Modona, M., Strother, L., Behrmann, M., & **Shomstein, S.** (2017, May). The effects of object size in object-based attentional selection. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Collegio, A.J., Nah, J.C., Scotti, P., & **Shomstein, S.** (2017, May). Real-world object size affects attentional allocation. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Nah, J.C., Malcolm, G.L., Sheremata, S., & **Shomstein, S.** (2016, November). Task-irrelevant semantic relationships of real-world objects bias visual attention. Paper presented at the annual Object, Perception, and Memory (OPAM) meeting, Boston, MA.
- Scotti, P., Malcolm, G.L., Peterson, M., & **Shomstein, S.** (2016, November). Reality vs. simplicity: The effects of real-world objects on attentional selection. Poster presented at the annual Object, Perception, and Memory (OPAM) meeting, Boston, MA.
- Carter, B., Nah, J.C., and **Shomstein, S.** (2016, November). Object representations influence visual short-term memory. Poster presented at the annual Object, Perception, and Memory (OPAM) meeting, Boston, MA.
- Nah, J.C. & **Shomstein, S.** (2016, November). Frequency of target appearance modulates object-based attention. Poster presented at the annual meeting of the Psychonomic Society, Boston, MA.
- Carther-Krone, T.A., Lawrence-Dewar, S., **Shomstein, S.**, and Marotta, J.J. (2016, November). Neural correlates of perceptual grouping during a visual illusion. Poster presented at the Society for Neuroscience (SfN), San Diego, CA.
- Nah, J.C., Malcolm, G.L., & **Shomstein, S.** (2016, November). Intrusive effects of task-irrelevant semantic relationships between real-world objects. Poster presented at the Society for Neuroscience (SfN), San Diego, CA.
- Scotti, P., Malcolm, G.L., Peterson, M., & **Shomstein, S.** (2016, May). Reality vs. Simplicity: The effects of real-world objects on attentional selection. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Nah, J. Malcolm, G.L., Sheremata, S. & **Shomstein, S.** (2016, May) Task-irrelevant semantic relationships of real-world objects bias visual attention. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Sheremata, S., Somers, D., & **Shomstein, S.** (2016, May). Divergence and convergence in parietal activity during visual attention and short-term memory. Paper presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Carter, B., Nah, J., & **Shomstein, S.** (2016, May). Object representations guide visual short-term memory. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Malcolm, G.L., Nah, J., Sheremata, S., **Shomstein, S.** (2015, November). Semantic properties of real-world objects modulate early visual cortical activity. Poster presented at the annual meeting of the Psychonomic Society, Chicago, IL.
- Collegio, A.J., Bilger, E., & **Shomstein, S.** (2015, November). Beyond vision: Exploring the cross-modal nature of object-based attentional control. Poster presented at the annual Object, Perception, and Memory (OPAM) meeting, Chicago, IL.
- Malcolm, G.L., Nah, C.I., Sheremata, S., & **Shomstein, S.** (2015, October). Semantic relationships of real-world objects bias visual attention. Poster presented at the Society for Neuroscience (SfN), Chicago, IL.

- Sheremata, S. L., Malcolm, G.L., **Shomstein, S.** (2015, October). Visual field asymmetries reflect the retinotopic nature of parietal cortex. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Sheremata, S., Malcolm, G.L., & **Shomstein, S.** (2015, May). Visual short-term memory demonstrates retinotopic visual field asymmetries. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Malcolm, G.L. & **Shomstein, S.** (2014, November). Viewing the real-world: The effect of semantic and syntactic object properties on visual attention. Paper presented at the Society for Neuroscience (SfN), Washington, DC.
- Shomstein, S.**, Uyar, F., Greenberg, A. S., & Behrmann, M. (2014, November). Sensory processing with varying degrees of attention – Lessons from parietal lobe damage. Paper presented at the Society for Neuroscience (SfN), Washington, DC.
- Sheremata, S., Carter, B., Somers, D. C., & **Shomstein, S.** (2014, November). Divergence and convergence of attention network activity in visual attention and short-term memory. Paper presented at the Society for Neuroscience (SfN), Washington, DC.
- Lazar, T. A., **Shomstein, S.**, & Marotta, J. J. (2014, November). Parts-based processing in autism. Poster presented at the Society for Neuroscience (SfN), Washington, DC.
- Sheremata, S., Malcolm, G.L., & **Shomstein, S.** (2014, November). Visual short-term memory represents information in retinotopic, not spatiotopic, coordinates. Paper presented at the annual Object, Perception, and Memory (OPAM) meeting, Long Beach, CA.
- Carter, B., Sheremata, S., Somers, D. C., & **Shomstein, S.** (2014, November). Attention and visual short term memory engage the same neural network to a different degree. Poster presented at the annual Object, Perception, and Memory (OPAM) meeting, Long Beach, CA.
- Malcolm, G.L. & **Shomstein, S.** (2014, November). The arrangement and semantic properties of objects bias attentional allocation in scenes. Poster presented at the annual meeting of the Psychonomic Society, Long Beach, CA.
- Collegio, A.J., Kakpovi, S., Whitman, A., and **Shomstein, S.** (2014, November). Perceptual identity uncertainty and the stages of object-based attention: A prioritization account. Poster presented at the annual meeting of the Psychonomic Society, Long Beach, CA.
- Sheremata, S. & **Shomstein, S.** (2014, November). Dynamic reallocation of resources in visual short-term memory. Poster presented at the annual meeting of the Psychonomic Society, Long Beach, CA.
- Malcolm, G.L. & **Shomstein, S.** (2014, May). The effect of semantic and syntactic object properties on attentional allocation in naturalistic scenes. Paper presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Collegio, A.J., Kakpovi, S., Whitman, A., and **Shomstein, S.** (2014, May). Target identity uncertainty and the stages of object-based attention: A prioritization account. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Carter, B. & **Shomstein, S.** (2014, May). Temporal uncertainty determines the use of object representations in attentional guidance. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Sheremata, S. & **Shomstein, S.** (2014, May). Dynamic reallocation of resources in visual short-term memory. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Malcolm, G. & **Shomstein, S.** (2013, November). Object semantic properties' effect on attentional allocation in naturalistic scenes. Paper presented at the annual meeting of the Psychonomic Society, Toronto, ON.
- Carter, B. & **Shomstein, S.** (2013, November). The effect of temporal uncertainty on object-based attentional selection. Poster presented at the annual Object, Perception, and Memory (OPAM) meeting, Toronto, ON.
- Shomstein, S.**, Uyar, F., Greenberg, A.S., Behrmann, M. (2013, November). Improving quality of sensory representations with prismatic adaptation. Poster presented at the Society for Neuroscience (SfN), San Diego, CA.
- Sheremata, S. & **Shomstein, S.** (2013, November). Hemifield asymmetries in visual short-term memory capacity. Poster presented at the Society for Neuroscience (SfN), San Diego, CA.

- Shomstein, S.**, Uyar, F., Greenberg, A.S., Behrmann, M. (2013, May). Sensory processing with varying degrees of attention: lessons from neglect. Paper presented at the annual meeting of the Visions Sciences Society, Naples, FL.
- Malcolm, G. & **Shomstein, S.** (2013, May). High-level semantic information affects attentional allocation within and between objects. Paper presented at the annual meeting of the Vision Sciences Society, Naples, FL.
- Lee, J. & **Shomstein, S.** (2013, May). Reward-based transfer from bottom-up to top-down search tasks. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
- Carter, B. & **Shomstein, S.** When? What? (2013, May). The effect of temporal and identity uncertainty on object-based attentional selection. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
- Etz, A., Rattinger, M., Byers, A., & **Shomstein, S.** (2013, May). Influences of object properties to attentional guidance. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
- Donovan, I., Pratt, J., & **Shomstein, S.** (2012, November). Object-based attention and prioritization examined by the temporal order judgement method. Poster presented at the annual meeting of the Psychonomic Society, Minneapolis, MN.
- Lee, J. & **Shomstein, S.** (2012, November). Reward history influences search efficiency by enhancing distractor filtering. Poster presented at the annual meeting of the Psychonomic Society, Minneapolis, MN.
- Malcolm, G. & **Shomstein, S.** (2012, November). Contribution of semantic information to object-based attentional selection. Poster presented at the annual Object, Perception, and Memory (OPAM) meeting, Minneapolis, MN.
- Shomstein, S.**, Uyar, F., Greenberg, A.S., Neppi-Modona, M., & Behrmann, M. (2012, October). Enhancing sensory responses to neglected information with prismatic adaptation. Poster presented at the Society for Neuroscience (SfN), New Orleans, LA.
- Greenberg, A.S., Uyar, F., Behrmann, M., & **Shomstein, S.** (2012, October). Retinotopic information interacts with categorization in human object selective cortex. Poster presented at the Society for Neuroscience (SfN), New Orleans, LA.
- Uyar, F., Greenberg, A.S., Behrmann, M., & **Shomstein, S.** (2012, October). Sensory processing with varying degrees of attention: Lessons from hemispatial neglect. Poster presented at the Society for Neuroscience (SfN), New Orleans, LA.
- Lee, J. & **Shomstein, S.** (2012, October). Sharpening orientation tuning with reward. Poster presented at the Society for Neuroscience (SfN), New Orleans, LA.
- Lee, J. & **Shomstein, S.** (2012, May). Sharpening orientation tuning with reward. Poster presented at the Vision Sciences Society (VSS), Naples, FL.
- Shomstein, S.**, Lee, J., and Johnson, J. (2012, May). Uncertainty reduction: The guiding principle of object-based selection. Poster presented at the Vision Sciences Society (VSS), Naples, FL.
- Drummond, L. & **Shomstein, S.** (2011, November). Attentional selection is modulated by reward structure in patients with visual neglect. Poster presented at the Society for Neuroscience (SfN), Washington, DC.
- Lee, J. & **Shomstein, S.** (2011, November). Reward-based transfer from bottom-up to top-down attention. Poster presented at the annual meeting of the Psychonomic Society, Seattle, WA.
- Donovan, I., Pratt, J., & **Shomstein, S.** (2011, May). Object-based attention and prioritization revealed by the temporal order judgment method. Poster presented at the Vision Sciences Society (VSS), Naples, FL.
- Bilger, E. & **Shomstein, S.** (2011, May). Cross modal object-based attentional guidance. Poster presented at the Vision Sciences Society (VSS), Naples, FL.
- Weiss, S. & **Shomstein, S.** (2011, May). Attentional capture and aging: Increased salience. Poster presented at the Vision Sciences Society (VSS), Naples, FL.
- Drummond, L. & **Shomstein, S.** (2011, May). Reward-based influences on attentional orienting in patients with visuo-spatial neglect. Poster presented at the Vision Sciences Society (VSS), Naples, FL.
- VanElzaker, M., **Shomstein, S.**, Hughes, K., Staples, L., Offringa, R., Pitman, R., & Shin, L. (2011, January). Preliminary neutral-valence attentional capture data from the monozygotic VietNam era twin registry cohort. Poster presented at the Determinants of Executive Function and Dysfunction (DEFD): Executive Function and Emotion, Boulder, CO.

- Lee, J. & **Shomstein, S.** (2010, November). Object-based attention: Reducing uncertainty with reward. Poster presented at the annual meeting of the Psychonomic Society, St. Louis, MO.
- Shomstein, S.**, Wing, S., & Larsen, S. (2010, November). Uncertainty and object-based attentional capture. Paper presented at the Society for Neuroscience (SFN), San Diego, CA.
- Moya, L. H., **Shomstein, S.**, Bagic, A., & Behrmann, M. (2010, November). The microgenesis of object-based vis-à-vis space-based visual attention. Paper presented at the Society for Neuroscience (SFN), San Diego, CA.
- Lee, J. & **Shomstein, S.** (2010, November). Reward-driven prioritization of attentional allocation. Paper presented at the Society for Neuroscience (SFN), San Diego, CA.
- Shomstein, S.**, Mayer-Brown, S., Wing, E., & Larsen, S. (2010, May). Relative contributions of SPL and TPJ to object-based attentional capture. Poster presented at the Vision Sciences Society (VSS), Naples, FL.
- Lee, J. & **Shomstein, S.** (2010, May). Reward driven prioritization modulates object-based attention in human visual cortex. Paper presented at the Vision Sciences Society (VSS), Naples, FL.
- Fleszar, A., Byers, A., & **Shomstein, S.** (2010, May). Attention is directed by prioritization in cases of certainty. Poster presented at the Vision Sciences Society (VSS), Naples, FL.
- Drummond, L. & **Shomstein, S.** (2010, May). The time course of space- and object-based attentional prioritization. Poster presented at the Vision Sciences Society (VSS), Naples, FL.
- Drummond, L. & **Shomstein, S.** (2009, November). Object-based attention: Mapping the timecourse of attentional prioritization. Poster presented at the annual Object, Perception, and Memory (OPAM) meeting in Boston, MA.
- Shomstein, S.** & Mayer-Brown, S. (2009, May). Contribution of object-based representation to attentional capture. Poster presented at the at the Vision Sciences Society (VSS), Naples, FL.
- Drummond, L. & **Shomstein, S.** (2009, May). Space- and object-based representations guide attentional selection in dynamic displays. Poster to be presented at the Vision Sciences Society (VSS), Naples, FL.
- Moya, L., **Shomstein, S.**, Bagic, A., and Behrmann, M. (2008, November). The time course of neural activity in object-based visual attention. Paper presented at the Society for Neuroscience (SFN), Washing, DC.
- Moya, L., **Shomstein, S.**, Bagic, A., and Behrmann, M. (2008, November). The time course of neural activity in object-based visual attention. Poster presented at the meeting of the Psychonomic Society, Chicago, IL.
- Shomstein, S.** & Johnson, J. (2008, November). Object-based attention: Reward driven prioritization. Paper presented at the annual meeting of the Psychonomic Society, Chicago, IL.
- Drummond, L. & **Shomstein, S.** (2008, November). Object-based attention in dynamic displays. Poster presented at the annual Object, Perception, and Memory (OPAM) meeting in Chicago, IL.
- Drummond, L. & **Shomstein, S.** (2008, May). Object-based attention: Shifting or uncertainty? Poster presented at the Vision Sciences Society (VSS), Naples, FL.
- Moya, L., **Shomstein, S.**, Bagic, A., and Behrmann, M. (2008, May). The time course of neural activity in object-based visual attention. Poster presented at the Vision Sciences Society (VSS), Naples, FL.
- Shomstein, S.** and Behrmann, M. (2007, November). Goal- and stimulus-driven orienting in patients with parietal lesions. Paper presented at the annual meeting of the Psychonomic Society, Long Beach, CA.
- Shomstein, S.**, Kravitz, D., and Behrmann, M. (2007, November). Temporal dynamics of an attentional switch. Poster presented at the Society for Neuroscience (SFN), San Diego, CA.
- Shomstein, S.**, Kravitz, D., and Behrmann, M. (2007, May). Temporal dynamics of a cross-modal attentional switch. Poster presented at the Vision Sciences Society (VSS), Sarasota, FL.
- Strother, L., **Shomstein, S.**, and Behrmann, M. (2007, May). Evidence from fMRI for structural non-selectivity in texture segregation. Poster presented at the Vision Sciences Society (VSS), Sarasota, FL.
- Neppi-Modona, M., Strother, L., **Shomstein, S.**, and Behrmann, M. (2007, May). Size matters in object-based attentional selection. Poster presented at the Vision Sciences Society (VSS), Sarasota, FL.
- Shomstein, S.** and Behrmann, M. (2006, November). The fate of neglected stimuli. Paper presented at the Psychonomic Society Meeting, Houston, TX.
- Shomstein, S.** and Behrmann, M. (2006, October). Cortical systems mediating visual attention to both objects and spatial locations. Paper presented at the Society for Neuroscience (SFN), Atlanta, GA.
- Shomstein, S.** and Behrmann, M. (2006, October). Perceptual organization in visuo-spatial neglect. Paper presented at the Perceptual Expertise Network meeting (PEN XIII), Tucson, AZ.

- Strother, L., **Shomstein, S.**, and Behrmann, M (2006, October). An fMRI study of geometry-related neural selectivity in texture segregation. Poster presented at the Society for Neuroscience (SFN), Atlanta, GA.
- Shomstein, S.** Behrmann, M., Hammer, M., and Kimchi, R. (2006, *May*). Neglected stimuli influence perception. Poster presented at the annual meeting of the Visions Sciences Society (VSS), Sarasota, FL.
- Shomstein, S.** & Behrmann, M. (2005, *November*). Goal- and stimulus-driven orienting in patients with parietal lobe lesions. Paper presented at the Society for Neuroscience (SFN), Washington, DC.
- Shomstein, S.** & Behrmann, M. (2005, *November*). Neural substrate of object-based attentional selection. Poster presented at the Psychonomic Society Meeting, Toronto, Canada.
- Shomstein, S.** & Behrmann, M. (2005, *May*). Attentional orienting in patients with parietal lobe lesions. Poster presented at the annual meeting of Vision Sciences Society (VSS), Sarasota, FL.
- Shomstein, S.** & Behrmann, M. (2004, *November*). Strategic scanning and object representation in object-based attention. Poster presented at the annual Object, Perception, and Memory (OPAM) meeting in Minneapolis, MN.
- Shomstein, S.** & Yantis, S. (2004, *October*). Parietal cortex mediates spatial and nonspatial shifts of attention in multiple modalities. Poster presented at the Society for Neuroscience (SFN), San Diego, CA.
- Yantis, S., Serences, J.T., Schwarzbach, J., **Shomstein, S.**, & Liu, T. (2004, *August*). Cortical mechanisms of attentional control. Paper presented at 28th International Congress of Psychology, Beijing.
- Shomstein, S.** & Yantis, S. (2004, *July*). Control of Auditory Attention Shifts in Human Cortex. Paper presented at the Organization for Human Brain Mapping (OHBM), Budapest, Hungary.
- Shomstein, S.** & Yantis, S. (2003, *November*). Control of Attention Shifts Between Vision and Audition in Human Cortex. Paper presented at the Society for Neuroscience (SFN), New Orleans, LA.
- Shomstein, S.** & Yantis (2003, *June*). Control of attention shifts between vision and audition in human cortex. Paper presented at the 4th International Multisensory Research Forum, McMaster University, Hamilton, Ontario.
- Shomstein, S.** & Yantis (2002, *May*). The role of strategic scanning in object-based attention. Poster presented at the annual meeting of Vision Sciences Society (VSS), Sarasota, FL.
- Serences, J., **Shomstein, S.**, Leber, A., Egeth, H., & Yantis, S. (2002, *April*). Neural mechanisms of goal-directed and stimulus-driven attentional control. Poster presented at the Ninth Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Serences, J., **Shomstein, S.**, Leber, A., Yantis, S. & Egeth, H.(2001, *November*). Neural basis of goal-directed and stimulus-driven attentional control. Paper presented at the Annual Meeting of the Psychonomic Society, Orlando, FL.
- Carlson, R. , & **Shomstein S.** (2001, *May*). Disambiguating strategic effects in visual search. Poster presented at the annual meeting of Vision Sciences Society (VSS), Sarasota, FL.
- Shomstein, S.** & Yantis, S. (2000, *November*). The role of strategic scanning in object-based attention. Paper presented at the annual Object, Perception, and Memory (OPAM) meeting in New Orleans, LA.
- Shomstein, S.** & Yantis, S. (1999, *November*). Constraints on object-based modulation of visual attention. Poster presented at annual Object, Perception, and Memory (OPAM) meeting in Los Angeles, CA.
- Shomstein, S.** & Rubin, N. (1998, *May*). Detection of illusory contours: Not so fast. Poster presented at the annual meeting of Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, FL.