

Curriculum Vita

Edward S. Awh

Department of Psychology
Institute for Mind and Biology
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Education:

University of Michigan, Ph.D. in Psychology, 1996.
University of Michigan, M.A. in Psychology, 1992.
Northwestern University, B.A. in Psychology, 1989.

Professional Experience:

July 2015 to present
Professor, Department of Psychology and Institute for Mind and Biology, University of Chicago.
September 2008 to June 2015
Professor, Department of Psychology and Institute of Neuroscience, University of Oregon.
September 2004 to September 2008
Associate professor, Department of Psychology, University of Oregon.
January 1999 to September 2004
Assistant professor, Department of Psychology, University of Oregon.
November 1996 to 1998:
Postdoctoral fellow at the Center for Human Information Processing, Department of Psychology,
University of California San Diego.
1990 to 1996:
Research Assistant for Dr. John Jonides, and Dr. Edward E. Smith, Department of Psychology,
University of Michigan, Ann Arbor.
1989 to 1990:
Senior Research Technician at the Franklin McClean Positron Emission Tomography Research
Center, University of Chicago.

Awards and Honors

Elected Fellow, Society of Experimental Psychologists 2013
Elected Fellow, Association for Psychological Science 2012
Posner-Bois Fellow, University of Oregon Department of Psychology 2004
Departmental Associate, University of Michigan Department of Psychology 1995-96
Rackham Dissertation Fellowship, University of Michigan, 1995.
Rackham Graduate Fellowship, University of Michigan, 1990-1994.
Graduated with honors, Northwestern University Department of Psychology, 1989.
Benton J. Underwood Research Fellowship, Northwestern Department of Psychology, 1988.
National Merit Scholarship, Northwestern University 1985-1989.

Grant Support

R01 National Institutes of Mental Health, 2001-2005
“Neural and Behavioral Mechanisms of Distractor Exclusion”
Total direct costs: \$450,000
Principal Investigator: Edward Awh

Oregon Medical Research Foundation, 2006-2007

“Diagnostic Tools for ADHD”

Total direct costs: \$30,000

Role: Principal Investigator

R01 National Institutes of Mental Health, 2007-2012

Impaired Resolution of Visual Interference as an Endophenotype for ADHD

Total direct costs, \$1,125,000

Role: Principal Investigator

R01 National Institutes of Mental Health, 2009-2014

“On the Distinction between Number and Resolution in Visual Working Memory”

Total direct costs: \$2,019,966

Role: Principal Investigator

Supplement to R01 from National Institutes of Mental Health, 2009-2010

“On the Distinction between Number and Resolution in Visual Working Memory”

Total direct costs: \$149,493

Role: Principal Investigator

R01 National Institutes of Health,

“Oscillatory measures of number and precision in working memory”

Total direct costs: \$3,081,988

Role: Principal Investigator

Peer Reviewed Publications (total citations (Google Scholar: 10003; H-index: 38)

(in chronological order: *papers co-authored with advisees, §Awh is corresponding/senior author)

1. Jonides, J., Smith, E. E., Koeppe R.A., Awh, E. S., Minoshima, S., and Mintun, M.A. (1993). Spatial working memory in humans as revealed by PET. *Nature*, 363, 623-625.
2. Minoshima, S., Koeppe, R.A., Smith, E.E., Awh, E., & Jonides, J. PET investigations of working memory. *Experimental Medicine*, 1994, 12, 70-72.
3. Smith, E.E., Jonides, J., Koeppe, R.A., Awh, E., Schumacher, E.H. and Minoshima, S. (1995). Spatial vs. Object working memory: PET investigations. *Journal of Cognitive Neuroscience*., 7, 337-356.
4. Awh, E., Jonides, J., Smith, E.E., Schumacher, E.H., Koeppe, R.A., Katz, S. (1996). Dissociation of storage and rehearsal in verbal working memory: evidence from PET. *Psychological Science*, 7(1), 25-31.
5. Schumacher, E.H., Lauber, E.J., Awh, E., Jonides, J., Smith, E.E., Koeppe, R.A. (1996). PET evidence for an amodal verbal working memory system. *Neuroimage*, 3(2), 79-88.
6. Jonides, J., Schumacher, E. H., Smith, E. E., Lauber, E., Awh, E., Minoshima, S., & Koeppe, R. A. (1997). The task-load of verbal working memory affects regional brain activation as measured by PET. *Journal of Cognitive Neuroscience*, 9(4), 462-475.

7. Jonides, J., Schumacher, E.H., Smith, E.E., Koeppe, R.A., Awh, E., Reuter-Lorenz, P.A., Marshuetz, C., & Willis, C.R. (1998). The role of parietal cortex in verbal working memory. *The Journal of Neuroscience*, 18 (13):5026-5034.
8. Awh, E., Jonides, J., & Reuter-Lorenz, P.A. (1998). Rehearsal in Spatial Working Memory. *Journal of Experimental Psychology: Human Perception and Performance*. 24(3), 780-790.
9. Awh, E., Jonides, J., Smith, E.E., Buxton, R.B., Frank, L.R., Love, T., Wong, E.C., & Gmeindl, L. (1999). Rehearsal in spatial working memory: Evidence from neuroimaging. *Psychological Science*, 10(5), 443-437.
10. Awh, E. & Pashler, H. (2000). Evidence for split attentional foci. *Journal of Experimental Psychology: Human Perception and Performance*, 26(2), 834-846.
11. Awh, E., Anllo-Vento, & Hillyard, S.A. (2000). The role of spatial selective attention in working memory for locations: evidence from event-related potentials. *Journal of Cognitive Neuroscience*, 12(5), 840-847.
12. *§Awh, E., Dhaliwal, H., Christensen, S., Matsukura, M. (2001). Evidence for two components of object-based selection. *Psychological Science*, 12(4), 329-334.
13. Awh, E., & Jonides, J. (2001). Overlapping mechanisms of attention and working memory. *Trends in Cognitive Sciences*, 5(3), 119-126.
14. *Awh, E., Matsukura, M., Serences, J. (2003). Top-down control over biased competition during covert orienting. *Journal of Experimental Psychology: Human Perception and Performance*, 29(1), 52-63.
15. *Mayr, U., Awh, E., & Laurey, P. (2003). Conflict adaptation effects in the absence of executive control. *Nature Neuroscience*, 6(5), 450-452.
16. *Awh E., Serences, J., Laurey, P., Dhaliwal, H., van der Jagt, T., & Dassonville, P. (2004). Evidence against a central bottleneck during the attentional blink: multiple channels for configural and featural processing. *Cognitive Psychology*, 48, 95-126.
17. Postle, B.R., Awh, E., Jonides, J., Smith, E.E., D'Esposito, M. (2004). The where and how of attention-based rehearsal in spatial working memory. *Cognitive Brain Research*, 20, 194-205.
18. *Serences, J., Yantis, S., Culbertson, A. & Awh, E. (2004). Preparatory activity in visual cortex indexes distractor suppression during covert spatial orienting. *Journal of Neurophysiology*, 92, 3538-3545.
19. *Awh, E., Sgarlata, A.M., Kliestik, J. (2005). Resolving visual interference during covert spatial orienting: Online Attentional Control Through Static Records of Prior Visual Experience. *Journal of Experimental Psychology: General*, 134(2), 192-206.
20. Awh, E., Vogel, E., & Oh, S.-H. (2006). Interactions between attention and working memory. *Neuroscience*, 139, 201-208.
21. Awh, E., Armstrong, K.M. & Moore, T. (2006). Visual and oculomotor selection: links, causes and implications for spatial attention. *Trends in Cognitive Sciences*, 10(3), 124-130.

22. *§Scolari, M., Kohlen, A. Barton, B., & Awh, E. (2007). Spatial attention, preview, and popout: Which factors influence critical spacing in crowded displays? *Journal of Vision*, 7(2):7, 1-23.
23. *§Awh, E., Barton, B., Vogel, E.K. (2007). Visual working memory represents a fixed number of items, regardless of complexity. *Psychological Science*, 18(7), 622-628.
24. *§Ester, E. & Awh E. (2008). The locus of interference from salient singleton distractors. *Visual Cognition*, 16(2/3), 166-181.
25. *§Scolari, M., Vogel, E., & Awh, E. (2008). Perceptual expertise enhances the resolution but not the number of representations in working memory. *Psychonomic Bulletin and Review*, 15(1), 215-222.
26. Mednick, S.C., Drummond, S.P., Boynton, G.M., Awh, E., Serences, J. (2008). Sleep-dependent learning and practice-dependent deterioration in an orientation discrimination task. *Behavioral Neuroscience*, 122(2), 267-72.
27. Vogel, E. K. & Awh, E. (2008). How to exploit diversity for scientific gain: Using individual differences to constrain cognitive theory. *Current Directions in Psychological Science*, 17(2), 171-176.
28. §Serences, J., Scolari, M., & Awh, E. (2008). On-line response-selection and the attentional blink: multiple-processing channels. *Visual Cognition*.
29. Mayr, U., & Awh, E. (2008). The elusive link between conflict and conflict adaptation. *Psychological Research*, 73, 794-802.
30. *§Serences, J., Ester, E., Vogel, E.K., & Awh, E. (2009). Stimulus-specific delay activity in human primary visual cortex. *Psychological Science*, 20(2), 207-214.
31. *§Barton, B., Ester, E., & Awh, E. (2009). Discrete resource allocation in visual working memory. *Journal of Experimental Psychology: Human Perception and Performance*, 35(5), 1359-1367.
32. *§Williamson-Worden, K.; Scolari, M, Jeong, S., Kim, M., Awh, E. (2009). Experience-dependent changes in the topography of visual crowding. *Journal of Vision*, 9(11), 1-9.
33. *§Ester, E.F., Serences, J.T., & Awh, E. (2009). Spatially global representations in human primary visual cortex during working memory maintenance. *Journal of Neuroscience*, 29(48), 15258-15265.
34. Fukuda, K., Awh, E., Vogel, E.K. (2010). Discrete capacity limits in visual working memory. *Current Opinion in Neurobiology*.
35. *§Umemoto, A., Drew, T., Ester, E. & Awh, E. (2010). A bilateral advantage for storage in visual working memory. *Cognition* 117, 69-79.

36. §Fukuda, K., Vogel, E.K., Mayr, U., & Awh, E. (2010). Quantity not quality: The relationship between fluid intelligence and working memory capacity. *Psychonomic Bulletin and Review*, 17(5), 673-679.
37. *§Umemoto, A., Scolari, M., Vogel, E.K., & Awh, E. (2010). Statistical learning induces discrete shifts in the allocation of working memory resources. *Journal of Experimental Psychology: Human Perception and Performance*.
38. *Stevens, A.A., Maron, L., Nigg, J.T., Cheung, D., Ester, E.F., & Awh, E. (2012). Increased sensitivity to perceptual interference in adults with attention deficit hyperactivity disorder. *Journal of the International Neuropsychological Society*, 18, 1-10.
39. *§Ester, E.F., Drew, T.W., Klee, D., Vogel, E.K. & Awh, E. (2012). Neural measures reveal a fixed item limit in subitizing. *Journal of Neuroscience*, 32(21), 7169-7177.
40. Awh, E., Belopolsky, A.V., & Theeuwes, J. (2012). Top-down versus bottom-up attentional control: A failed theoretical dichotomy. *Trends in Cognitive Sciences*, 16(8), 437-443.
41. Van der Burg, E., Awh, E., & Olivers, C.N.L. (2013). The capacity of audiovisual integration is limited to one. *Psychological Science*, 24(3), 345-351.
42. *§Ester, E.F., Anderson, D.E., Serences, J.T., & Awh, E. (2013). A neural measure of precision in visual working memory. *Journal of Cognitive Neuroscience*, 25(5), 754-761.
43. Postle, B.R., Awh, E., Serences, J.T., Sutterer, D.W. & D'Esposito, M. (2013). The positional specificity effect reveals a passive-trace contribution to visual short-term memory. *PLOS one*.
44. *§Ester, E.F., Klee, D., Awh, E. (2013). Visual crowding cannot be wholly explained by pooling. *Journal of Experimental Psychology: Human Perception and Performance*.
45. *§Ester, E.F., Fukuda, K., May, L.M. & Vogel, E.K., Awh, E. (2014). Evidence for a fixed capacity limit in attending multiple locations. *Cognitive Affective and Behavioral Neuroscience*.
46. Van den Berg, R., Awh, E. & Ma WJ (2014). Conceptualizing and testing working memory models in a three-dimensional model space. *Psychological Review*.
47. Unsworth, N., Fukuda, J., Awh, E., & Vogel, E.K. (2014). Working memory and fluid intelligence: Capacity, attentional control, and secondary memory retrieval. *Cognitive Psychology*.
48. Unsworth, N., Fukuda, K., Awh, E. & Vogel, E.K. (2014). Working memory delay activity predicts individual differences in cognitive abilities. *Journal of Cognitive Neuroscience*.
49. Belopolsky, A.V. & Awh, E. (in press). The role of context in volitional control of feature-based attention. *Journal of Experimental Psychology: Human Perception and Performance*.
50. *§Sutterer, D.W. & Awh, E. (in press). Retrieval practice enhances the accessibility but not the quality of memory. *Psychonomic Bulletin and Review*.

51. *§Foster, J.J., Sutterer, D.W., Serences, J.T., Vogel, E.K. & Awh, E (2016). The topography of alpha-band activity tracks the content of spatial working memory. *Journal of Neurophysiology*.
52. Luria, R., Balaban, H., Awh, E. & Vogel, E.K. (2016). The contralateral delay activity as a neural measure of visual working memory. *Neuroscience and Biobehavioral Reviews*.

Invited reviews, commentaries, book chapters, edited volumes

1. Awh, E., Smith, E.E., Jonides, J. (1995). Human rehearsal processes and the frontal lobes: PET evidence. In J. Grafman, K. Holyoak, & F. Boller (Eds.) *Structure and functions of the human prefrontal cortex Annals of the New York Academy of Sciences.*, vol. 769, 97-119 New York, NY:, New York Academy of Sciences.
2. Jonides, J., Reuter-Lorenz, P.A., Smith, E.E., Awh, E., Barnes, L.L., Drain, M., Glass, J., Lauber, E., Patalano, A., Schumacher, E.H. (1996). Verbal and Spatial Working Memory in Humans. *The Psychology of Learning and Motivation.*,4, Medin, D. (ed.). Academic Press.
3. Awh, E., & Jonides, J. (1998) Spatial Selective Attention and Spatial Working Memory. *The Attentive Brain*. Parasuraman, R. (Ed.), pp. 353-380, Cambridge, Mass: M.I.T. Press.
4. Awh, E. & Gehring, W.J. (1999). The anterior cingulate lends a hand in response selection. *Nature Neuroscience*, 2(10), 853-854.
5. Jonides, J., Sylvester, C-Y.C., Lacey, S.C., Wager, T.D., Nichols, T.E., and Awh E. (2002). Modules of working memory. In R.H. Kluwe, G. Luer, and F. Rosler (Eds.). *Principles of Working Memory*. Boston: Birkhaeuser Publishing Ltd.
6. Jonides, J. & Awh, E. (2003). What Is The Source Of Activation For Working Memory? *Behavioral and Brain Sciences*, 26 (6), 741 – 742.
7. Mayr, U., Awh, E. & Keele, S.W. (eds.) (2005). *Developing Individuality in the Human Brain: A Tribute to Michael I. Posner*. Washington, DC: American Psychological Association.
8. §Stevens, C., & Awh, E. (2007). Commentary: Specificity, mechanisms, and timing in the study of spatial cognition. *The Emerging Spatial Mind*. J. Plumert & J.P. Spencer (Eds). Oxford University Press.
9. Awh, E., & Vogel, E. (2008). The bouncer in the brain. *Nature Neuroscience*, 11(1), 5-6.
10. *§Ester, E., Vogel, E.K., & Awh, E. (2012). Discrete resource limits in attention and working memory. *Cognitive Neuroscience of Attention*. M.I. Posner (Ed). Guilford Press.
11. Awh, E., & Vogel, E., (2015). Attention: Feedback focuses a wandering mind. *Nature Neuroscience*, 18, 327-328.

Selected Presentations

- Awh, E. The role of neural synchrony in the precision of online memory. Invited presentation for the Attention and Performance XXV meeting in Montreal, Canada, July 2013.

- Awh, E. Working memory is integral to visual search. Invited presentation for Visual Search and Selective Attention (VSSA III), Amersee, Germany, July 2012.
- Awh, E. Quantity and Quality in Visual Working Memory. Keynote presentation for the European Workshop on Imagery and Cognition. Bochum, Germany, June 2012.
- Awh, E. Discrete resource limits in encoding, storage and selection. Colloquium for the Department of Cognitive Psychology at Vrije Universiteit, Amsterdam, The Netherlands.
- Awh, E. The online workspace of the mind. Invited presentation for the annual national meeting of the MENSA society. Portland, OR. July 2011.
- Awh, E. The Individuation thread: Common capacity limits influence visual storage, selection and perception. Invited colloquium for the Vanderbilt University Department of Psychology. April 2011.
- Awh, E. A electrophysiological index of individuation during selection and storage. San Francisco, CA, Invited presentation for Steven A. Hillyard Festschrift at the Cognitive Neuroscience Society annual meeting; April 2011.
- Awh, E. Discrete resource limits in working memory, perception and attention. Invited colloquium for the Psychology Department at UC San Diego. March 2011.
- Awh, E. Number and resolution in visual working memory. Invited talk at the American Psychological Association annual conference in San Diego, CA. August 2010.
- Awh, E. On the distinction between number and resolution in visual working memory. Copenhagen University, Workshop on visual attention and short term memory, March 4-7, 2008.
- Awh, E. Capacity and complexity in visual working memory. Invited presentation for the Georgia Tech Department of Psychology. October 2009.
- Awh, E. Quantity versus quality in visual working memory. Invited colloquium for the North Dakota State University Department of Psychology. September 2008.
- Awh, E. Behavioral and neural measures of capacity in visual working memory. Yale University Psychology Department, Cognitive Seminar Series, October 2007.
- Awh, E. Complexity, categories and capacity in visual working memory. Invited address at the Rovereto Attention Workshop, Rovereto, Italy, October 2007.
- Awh, E., Barton, B., Vogel, E.K. Visual working memory represents a fixed number of items, regardless of complexity. Spoken presentation at the Vision Science Society Annual Meeting, May 2007.
- Awh, E., Barton, B., Vogel, E. Complexity, number and resolution in visual working memory. Paper presented at the Psychonomics Society annual meeting. November 2006, Houston, TX.
- Awh, E. Top-down control and the resolution of visual interference. Invited colloquium for the Psychology Department at Michigan State University. September 2006.

- Awh, E., Mayr, U., & Kohlen, A. Top-down control over unconscious response priming through stimulus-specific gating. Spoken presentation at Vision Science Society Annual Meeting, May 2005.
- Awh, E. Attentional control during visual selection and unconscious response priming. Cognitive and Cognitive Science Colloquium. January 2005. Department of Psychology, Vanderbilt University.
- Awh, E. Attentional control and the resolution of interference during visual selection. Invited presentation at the International Conference on Attentional control. January, 2005, Taipei, Taiwan.
- Awh, E. Object-based control over distractor suppression during covert spatial orienting. Paper presented at the Psychonomics Society annual meeting. November 2004, Minneapolis, MN.
- Awh, E., Vogel, E., & Culbertson, A. (2004). The role of distractor suppression during attentional modulations of early visual processing. Society for Neuroscience Abstracts.
- Awh, E., Sgarlata, A.M., Kliestik, J. Object-based control over spatial selective attention via retinotopic maps of distractor probability. Poster presented at the Psychonomics Society annual meeting. November 2003, Vancouver, Canada.
- Awh, E. Neural substrates of distractor suppression during covert spatial orienting. Invited presentation at the Psychonomics Society Annual Meeting. November 2003, Vancouver, Canada.
- Awh, E. Endogenous control over distractor suppression during covert spatial orienting. Invited colloquium for the Department of Psychology at the University of Toronto. April, 2003.
- Awh, E. Top-down control over distractor exclusions during covert spatial selection. Invited lecture for the Meeting of the Priority Program on Executive Functions. Max Planck Institute; Leipzig, Germany; November, 2002.
- Awh, E., Matsukura, M., Serences, J. & Culbertson, A. Top-down control over biased competition. Invited presentation for the Institute for Cognitive and Brain Sciences at the University of California, Berkeley, October, 2001.
- Awh, E., Serences, J., Laurey, P., Dhaliwal, H., Matsukura, M., Vander Jagt, T., & Dassonville, P. Assessing the boundary conditions of the attentional blink. Paper presented at Psychonomics Society 42nd annual meeting. November 2001, Orlando, FL.
- Awh, E. Assessing the boundary conditions of the attentional blink: Faces as an exception to the rule. Invited presentation for the Center for Integrative and Cognitive Neuroscience at Vanderbilt University, August 2001. Nashville, TN.
- Awh, E. (2001) Attentional Control and Noise Suppression. Invited presentation at the Eunice Kennedy Shriver Center Colloquium Series. Waltham, MA.
- Awh, E., Serences, J., Libner, K., & Matsukura, M. Endogenous noise suppression during covert orienting. Paper presented at Psychonomics Society 41st annual meeting. November 2000, New Orleans, LA.

- Awh, E. The Role of Spatial Selective Attention during Rehearsal in Spatial Working Memory. Invited presentation at the symposium, "Attentional Processes in Selective Perception and Working Memory." April 1999. Washington, D.C.
- Awh, E. The Functional Architecture of Working Memory. Invited lectures presented for the Behavioral and Cognitive Neurosciences program at The University of Groningen, June 1998.
- Awh, E., Pashler, H., & Doan, Q. Evidence for Split Attentional Foci. Psychonomics Society, November 1997.
- Schumacher, E.H., Jonides, J., Smith, E.E., Koeppe, R.A., Awh, E., Reuter-Lorenz, P.A., Marchuetz, C., & Willis, C.R. (1997). The role of parietal cortex in verbal working memory as revealed by PET. Society for Neuroscience Abstracts.
- Marshuetz, C., Jonides, J., Smith, E.E., Reuter-Lorenz, P.A., Koeppe, R.A., Koeppe, E.H., Gmeindl, L., Awh, E. (1997). The role of dorsolateral prefrontal cortex in verbal working memory. Society for Neuroscience Abstracts.
- Awh, E., Jonides, J., Smith, E.E., Frank, L.R., Love, T., Buxton, R.B., & Wong, E.C. (1997). Neuroimaging Evidence for Attention-based Rehearsal in Spatial Working Memory. Presented at the 1997 Human Brain Mapping Conference. Copenhagen, Denmark.
- Awh, E. The Role of Selective Attention in Spatial Working Memory. Presentation for the Cognition and Perception Area Forum at the University of Michigan. March 1996.
- Jonides, J., Smith, E.E., Awh, E., Schumacher, E.H., Koeppe, R.A., Lauber, E., and Minoshima, S. Double dissociation of verbal and spatial working memory. Paper presented by E. Awh at International Conference on Working Memory, July, 1994.
- Awh, E., Jonides, J., Smith, E.E., Schumacher, E.H., Koeppe, R.A. Minoshima, S., Lauber, E. (1994). Dissociation of Spatial and Verbal Working Memory Systems. Invited paper presented at Midwestern Psychological Association symposium, "Neuroscientific studies of cognitive processes", 1994.

Teaching Experience

- Instructor, *Superlab in Psychology as a Natural Science*, University of Michigan.
 Teaching Assistant, *Human Neuropsychology*, University of Michigan.
 Teaching Assistant, *Introduction to Cognitive Psychology*, University of Michigan.
 Instructor, *Cognition*, University of Oregon.
 Instructor, *Research Methods*, University of Oregon.
 Instructor, *Mind and Brain*, University of Oregon.
 Instructor, *Psychology and Philosophy Freshman Interest Group*, University of Oregon
 Instructor, *Attention and Working Memory*, Clark Honors College, University of Oregon
 Instructor, *Advanced Cognitive Neuroscience*, Graduate Core Course, University of Oregon

Editorial Positions

- January 2012 to present, Associate Editor for *Psychological Science*
 2010-2013, Associate Editor for *Psychological Bulletin and Review*
 February 2006 to 2009 Consulting Editor for *Journal of Experimental Psychology: Learning Memory and Cognition*.
 January 2009 to 2012, Consulting Editor for *Memory and Cognition*.

January 2009 to January 2012, Member Editorial Board for *Psychological Science*.

Administrative Experience

University of Michigan Psychology Department Executive Committee, Fall 1995-Fall 1996.

University of Michigan Cognition and Perception admissions committee, 1992.

Member of organizing committee for Cognition and Perception Area Forum talk series, 1992-93.

Member of Graduate Admissions Committee, 1998-1999, University of Oregon.

Member of Systems Neuroscience Search Committee, 1999-2000, University of Oregon.

Member of Cognitive Neuroscience Search Committee, 2001, 2002, 2009 University of Oregon.

Member of preliminary exam committees: Amelia Adamson, Theodore Bell, Harpreet Dhaliwal, Paul Laurey, Lisa Sanders, Geeta Shivde, Anna Wilson; Elizabeth Walters

Co-chair of Colloquium Committee for the University of Oregon Psychology Dept. Colloquium Series

Member of the Undergraduate Education Committee, University of Oregon Department of Psychology

Elected Member of Psychology Department Executive Committee, University of Oregon, 2002-2004; 2005-2007; 2012-2014.

Member of Lewis Imaging Center Executive Committee, 2001-2003.

University of Oregon Institutional Review Board, Member 2006, 2007

University of Oregon Institutional Review Board, Vice Chair 2008-2009

Chair of Graduate Education Committee, University of Oregon. Spring 2006-2009.

Ad hoc reviewer

Acta Psychologica

Attention Perception and Psychophysics

Behavioral Brain Research

Behavioral Neuroscience

Brain

British Journal of Psychology

Cerebral Cortex

Cognition

Cognitive Affective and Behavioral Neuroscience

Cognitive Brain Research

Cognitive Psychology

Developmental Psychology

European Journal of Neuroscience

European Journal of Cognitive Psychology

Frontiers in Neuroscience

Frontiers in Cognitive Science

Human Brain Mapping

Journal of Cognitive Neuroscience

Journal of Experimental Psychology: General

Journal of Experimental Psychology: Human Perception and Performance

Journal of Experimental Psychology: Learning, Memory and Cognition

Journal of Neurophysiology

Journal of Neuroscience

Journal of Vision

Memory

Memory and Cognition

Nature

Nature Neuroscience

Neuroimage

Neuron
Neuropsychologia
Perception and Psychophysics
Personality and Social Psychology Bulletin
PLOS one
Proceedings of the National Academy of Sciences
Psychobiology
Psychological Bulletin
Psychological Bulletin and Review
Psychological Review
Psychological Science
Psychophysiology
Quarterly Journal of Experimental Psychology
Trends in Cognitive Sciences
Visual Cognition
Vision Research

Grant reviews:

Alzheimer's Research Partnership of Oregon
National Institutes of Health – Member, Cognition and Perception Study Section – Oct 2007-Jun 2012
National Science Foundation

Professional Memberships

Society of Experimental Psychologists
Association for Psychological Science
Psychonomics Society
Vision Science Society
Cognitive Neuroscience Society