

Daniel H. Weissman, PhD

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Education

1993-1999 MA & PhD, Biological Psychology, University of Illinois at Urbana-Champaign
1986-1991 BS, Psychology & Physics, University of Illinois at Urbana-Champaign

Academic Positions

2018 – Full Professor, Dept. of Psychology, University of Michigan
2015 – Faculty Associate, Research Center for Group Dynamics
2012 – 2018 Associate Professor, Dept. of Psychology, University of Michigan
2006 – 2012 Assistant Professor, Dept. of Psychology, University of Michigan
2004 – 2006 Assistant Research Professor, Duke University
2002 – 2004 Postdoctoral Fellow (Advisor: Prof. Marty G. Woldorff, Duke University)
1999 – 2002 Postdoctoral Fellow (Advisors: Profs. Woldorff & Mangun, Duke University)
1993 – 1999 Doctoral Student (Advisor: Prof. Marie Banich, University of Illinois)
1991 – 1992 Research Intern (Advisor: Prof. Louis Herman, University of Hawaii)

Research Interests

Attention, Cognitive Control, Functional Neuroimaging

Honors and Awards

2016 Fellow, Association for Psychological Science & Psychonomic Society
1997 Summer Institute in Cognitive Neuroscience, Excellent Teaching Assistant.
1994 Beckman Institute Summer Research Fellowship

Professional Activities

Grant Reviewer:

NIDA at NIH (2006), National Science Foundation (2010, 2017), NASA (2018)

Editorial Board Member

Journal of Experimental Psychology: HPP (2017-present)

Ad Hoc Journal Referee:

Cerebral Cortex, Psychophysiology, J. Cognitive Neuroscience, Cognitive Brain Research, Neuropsychologia, Brain and Cognition, Neuroreport, Human Brain Mapping, Laterality, Visual Cognition, Experimental Psychology, J. Exp Psychology: HPP & LMC, Quart J. Exp Psychology, Exp Psychol, Neuroscience and Biobehavioral Reviews, J. Neuroscience, Psych Science, Psychonomic Bulletin & Review, Cognitive, Affective, and Behavioral Neuroscience, Behavioral & Brain Research, Cognition, Acta Psychologica, Biological Psychiatry, Psychological Research, Cognition, Attention, Perception, and Psychophysics, Social Psychological and Personality Science, Psychological Review.

Conference Leadership:

Organized symposium – “Mechanisms and Boundaries of Cognitive Control” – for the *Annual Meeting of the Association for Psychological Science (2018)*
Chaired Talk Sessions on Attentional Capture & Control, *Psychonomics (2017, 2018)*

Society Membership:*Psychonomic Society***Grant Support**Ongoing

Rackham Graduate School Faculty Grant \$15,000 02/22/08 - present

The neural bases of momentary lapses in attention

The goal of this project is to use functional MRI to predict how quickly a person will respond to a task-relevant stimulus several seconds in advance.

Role: PI

Completed

LSA Summer Research Funding Grant \$6,000 5/1/22 – 8/31/22

Using force-sensitive keyboards to determine whether people sometimes minimize distraction by inhibiting sub-threshold responses to irrelevant stimuli

Role: PI

NIH RO1 \$2,165,076.00 05/15/16– 05/31/21

Age-related changes in neural distinctiveness: Scope, Causes, and Consequences

The goal of this project is to investigate whether age-related reductions of GABA in the cerebral cortex can explain age-related declines in perceptual, cognitive, and motor functioning.

Role: Co-I (PI: Thad Polk)

UM Associate Professor Fund \$30,000 7/16 – 8/18

The goal of this project is to investigate how cognitive control processes minimize distraction from irrelevant stimuli.

Role: PI

UM Geriatrics Center pilot grant \$40,000 1/1/2011 – 8/31/2013

Does age-related visual decline index GABA depletion?

The goal of this project is to determine whether age-related declines in visual perception can be explained by age-related declines of GABA in the visual cortex. Role: PI

11-PAF04868 (U.S. Army) \$65,000 5/26/11 – 4/13

Using neural activity to predict attentional lapses during multisensory task scenarios

The goal of this project is to use brain activity as measured by functional MRI and EEG to predict attentional lapses before they occur.

Role: PI (co-PI Barry Giesbrecht, UCSB)

NIDA 1R03DA021345-01 \$150,000 9/1/06-8/31/07

Neural Substrates of Executive Control Revealed by FMRI

The goal of this project was to use functional MRI to investigate whether dorsolateral and ventrolateral prefrontal regions of the human brain, respectively, play roles in selecting and maintaining an attentional set.

Role: PI

Curriculum Vita

NSF 0524031

\$220,000

9/1/05-8/31/09

Multisensory processing and attention

The goal of this project was to use a combination of functional MRI and EEG to investigate the location and timing of brain activity related to multisensory integration and attention.

Role: Co-Investigator (PI: Marty G. Woldorff)

R01-NS051048

\$1,250,000

12/1/05-11/30/10

Attentional Mechanisms in Multisensory Environments

The goal of this project was to use functional MRI and EEG to investigate spatio-temporal patterns of brain activity underlying multisensory attention including the resolution of multisensory conflict.

Role: Co-Investigator (PI: Marty G. Woldorff)

NINDS 5F32 NS041867

NRSA

12/1/00 – 11/30/03

Neural correlates of global and local processing

The goal of this project was to use functional MRI to investigate the neural bases of response conflict and hemispheric asymmetries in the global/local paradigm.

Role: PI (sponsored by Professors Woldorff & Mangun at Duke University)

Publications (90 total; the names of students & postdocs with whom I have collaborated at Michigan and elsewhere, since coming to the University of Michigan, are underlined)

1. Dunaway, Matt & **Weissman, D.H.** (in press). Coping with distraction involves dynamic episodic memory retrieval, rather than temporarily updating a default control setting. *Journal of Experimental Psychology: Learning, Memory, and Performance*.
2. **Weissman, D.H.** and Schmidt, J.R. (in press). Proactive response preparation contributes to contingency learning. *Psychological Research*
3. Hazeltine, E, Koch, I., and **Weissman, D.H.** (in press). Comparing partial repetition costs in 2- and 4-choice tasks: Evidence for abstract relational codes. *Journal of Experimental Psychology: Learning, Memory, and Performance*.
4. Clayson, P.E., Shuford, J.L., Rast, P., Baldwin, S.A., **Weissman, D.H.**, & Larson, M.J. (in press). Normal congruency sequence effects in psychopathology: A behavioral and electrophysiological investigation using a confound-minimized design. *Psychophysiology*
5. Frings, C., Selimi, S., Soballa, P., & **Weissman, D.H.** (in press). Effect-less? Event-files are not terminated by distal action effects. *Attention, Perception, and Psychophysics*.
6. Koch, I., Hazeltine, E., Petersen, G., & **Weissman, D.H.** (in press). Response-repetition costs in task switching do not index a simple response-switch bias: Evidence from manipulating the number of response alternatives. *Attention, Perception, and Psychophysics*.
7. Grant, L.D. & **Weissman, D.H.** (2023). The binary structure of event files generalizes to abstract features: A non-hierarchical explanation of task set boundaries for the congruency sequence effect. *Journal of Experimental Psychology: LMC*, 49, 1033-1050.
8. Vickers, B.D., Seidler, R.D., Stansfield, R.B., **Weissman, D.H.**, & Stephanie D Preston. (2023). Motor System Engagement in Human Costly Giving. *Front. in Psychiatry*, 14, 1-14.

Curriculum Vita

9. **Weissman, D.H.**, Grant, L.D., Koch, I., & Hazeltine, E. (2023). Partial repetition costs index a mixture of binding and signaling. *Attention, Perception, and Psychophysics*, *85*, 505-524.
10. Grant, L.D., Cerpa, S., & **Weissman, D.H.** (2022). Rethinking attentional reset: Task sets determine the boundaries of adaptive control. *Quarterly Journal of Experimental Psychology*, *75*, 1171-1185.
11. Aabedi, A.A., Kakaizada, S., Young, J.S., Kaur, J., Wiese, O., Valdivia, C., Krishna, S., Weyer-Jamora, C., Berger, M.S., **Weissman, D.H.**, Brang, D., Hervey-Jumper, S.L. (2021). Convergence of heteromodal lexical retrieval in the lateral prefrontal cortex. *Scientific Reports*, *11*, 6305.
12. Chamberlain, J., Gagnon, H., Lalwani, P., Cassady, K.E., Simmonite, M., Seidler, R.D., Taylor, S.F., **Weissman, D.H.**, Park, D.C., Polk, T.A. (2021). GABA levels in ventral visual cortex decline with age and are associated with neural distinctiveness. *Neurobiology of Aging*, *102*, 170-177.
13. Aabedi, A.A. Kakaizada, S., Young, J.S., Ahn, E., **Weissman, D.H.**, Berger, M., Brang, D. & Hervey-Jumper, S.L. (2021). Balancing Task Sensitivity with Reliability for Multimodal Language Assessments. *Journal of Neurosurgery*.
14. Memmini, A.K., Sun, X., Kim, J., Herzog, N.K., Islam, M.N., **Weissman, D.H.**, Rogers, A.J., Kovelman, I., Broglio, S.P. (2020). Persistent alterations of cortical hemodynamic response in asymptomatic concussed patients. *Concussion*, *6*, CNC84.
15. Islam, M.N., Guo, K. Zhai, T., Memmini, A.K., Martinez, R., Meah, C.N., Kovelman, I., **Weissman, D.**, Hu, X. Kim, J., Broglio, S., Beard, D., Van Den Bergh, F., Alam, H., Russo, R. (2020). Brain metabolism monitoring through CCO measurements using all-fiber-integrated super-continuum source. *Proc SPIE Int Soc Opt Eng*. 11234:1123407
16. **Weissman, D.H.**, Grant, L.D., & Jones, M. (2020). The congruency sequence effect in a modified prime-probe task indexes response-general control. *Journal of Experimental Psychology: Human Perception and Performance*, *46*, 1387-1396.
17. Grant, L.D., Cookson, S.L., & **Weissman, D.H.** (2020). Task sets serve as boundaries for the congruency sequence effect. *Journal of Experimental Psychology: Human Perception and Performance*, *46*, 798-812.
18. Cassady, K., Gagnon, H., Freiburger, E., Lalwani, P., Simmonite, M., Park, D., Peltier, S., Taylor, S., **Weissman, D.H.**, Seidler, R., and Polk, T.A. (2020). Network segregation varies with neural distinctiveness in sensorimotor cortex. *NeuroImage*, *212*, 116663.
19. **Weissman, D.H.** (2020). Interacting congruency effects in the hybrid Stroop-Simon task prevent conclusions regarding the domain specificity or generality of the congruency sequence effect. *J Exp Psychol: Learning, Memory, and Cognition*, *46*, 945-967.
20. Lalwani, P., Gagnon, H., Cassady, K.E., Simmonite, M., Peltier, S.J., Seidler, R.D., Taylor, S., **Weissman, D.H.**, Polk, T.A. (2019). Neural distinctiveness declines with age in auditory cortex and is associated with auditory GABA levels. *NeuroImage*, *201*, 116033.
21. Russman Block, S., **Weissman, D.H.**, Sripada, C., Angststadt, M. Duval, E.R., King, A.P., Liberzon, I. (2019). Neural Mechanisms of Spatial Attention Deficits in Trauma. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, *5*:S2451-9022(19)30142-9.
22. **Weissman, D.H.** (2019). Let your fingers do the walking: Finger force distinguishes competing accounts of the congruency sequence effect. *Psychon Bull Rev*, *26*, 1619-26.

Curriculum Vita

23. Aabedi, A.A., Ahn, E., Kakaizada, S., Young, J.S., Zhang, E., Sagher, O., **Weissman, D.H.**, Brang, D., Hervey-Jumper, S.L. (2019). Assessment of Wakefulness During Awake Craniotomy to Predict Intraoperative Language Performance. *Journal of Neurosurgery*, 31, 1-8.
24. Simmonite, M., Carp, J., Foerster, B., Ossher, L., Petrou, M., **Weissman, D.H.**, & Polk, T.A. (2019). Age-related declines in occipital GABA are associated with reduced fluid processing ability. *Academic Radiology*, 26, 1053-1061.
25. Braem, S., Bugg, J.M., Schmidt, J.R., Crump, M.J.C., **Weissman, D.H.**, Notebaert, W., Egner, T. (2019). Measuring adaptive control in conflict tasks. *Trends Cog Sci*, 23, 769-783.

26. Gagnon, H. Simmonite, M., Cassady, K., Chamberlain, J., Freiburger, E., Lalwani, P., Kelly, S., Foerster, B., Park, D.C., Petrou, M., Seidler, R.D., Taylor, S.F., **Weissman, D.H.**, Polk, T.A. (2019). Michigan Neural Distinctiveness (MiND) project: Investigating the scope, causes, and consequences of age-related neural dedifferentiation. *BMC Neurology*, 19:61.
27. Cassady, K. Gagnon, H., Lalwani, P., Simmonite, M., Foerster, B., Park, D., Petrou, M., Taylor, S.F., **Weissman, D.H.**, Seidler, R.D., & Polk, T.A. (2019). Sensorimotor network segregation declines with age, is linked to GABA, and predicts sensorimotor performance. *NeuroImage*, 186, 234-244.
28. Grant, L.D. & **Weissman, D.H.** (2019). Turning distractors into targets increases the congruency sequence effect. *Acta Psychologica*, 192, 31-41.
29. **Weissman, D.H.**, Drake, B., Colella, K., & Samuel, D. (2018). Perceptual load is not always a crucial determinant of early versus late selection. *Acta Psychologica*, 185, 125-135.
30. Bissett, P.G., Grant, L.D., & **Weissman, D.H.** (2017). Resisting distraction and response inhibition trigger similar enhancements of future performance. *Acta Psychologica*, 180, 40-51.
31. Van Steenbergen, H., **Weissman, D.H.**, Stein, D.J., Malcolm-Smith, S., & van Honk, J. (2017). More pain, more gain: Blocking the opioid system boosts adaptive cognitive control. *Psychoneuroendocrinology*, 80, 99-103.
32. Grant, L.D. & **Weissman, D.H.** (2017). An attentional mechanism for minimizing cross-modal distraction. *Acta Psychologica*, 174, 9-16.
33. **Weissman, D.H.**, Colter, K.M., Grant, L.D., & Bissett, P.G. (2017). Identifying stimuli that cue multiple responses triggers the congruency sequence effect independent of response conflict. *J. Experimental Psychology: Human Perception and Performance*, 43, 677-689.
34. Russman Block, S., King, A.P., Sripada, R.K., **Weissman, D.H.**, Welsh, R., & Liberzon, I. (2017). Behavioral and neural correlates of disrupted orienting attention in posttraumatic stress disorder. *Cognitive, Affective, and Behavioral Neuroscience*, 17, 422-436.
35. Adelman, N., Chen, G., Reynolds, R., Frackman, A., Razdan, V., **Weissman, D.H.**, Pine, D.S., & Leibenluft, E. (2016). Developmental differences in the neural correlates of trial-to-trial variance in reaction time. *Developmental Cognitive Neuroscience*, 19, 248-257.
36. Harrivel, A.R., **Weissman, D.H.**, Noll, D.C., Huppert, T., & Peltier, S.J. (2016). Dynamic filtering improves attentional state prediction with fNIRS. *Biomedical Optics Express*, 7, 979-1002.
37. Schmidt, J.R. & **Weissman, D.H.** (2016). Congruency sequence effects and previous response times: conflict adaptation or temporal learning? *Psychological Research*, 80, 590-607.
38. Larson, M.J., Clayson, P.E., Kirwan, C.B., & **Weissman, D.H.** (2016). Event-related potential indices of congruency sequence effects without feature integration or contingency learning confounds. *Psychophysiology*, 53, 814-822.

Curriculum Vita

39. **Weissman, D.H., Hawks, Z., & Egner, T.** (2016). Different levels of learning shape the congruency sequence effect. *Journal of Experimental Psychology: LMC*, 42, 566-583.
40. **Weissman, D.H., Colter, K., Drake, B., & Morgan, C.** (2015). The congruency sequence effect transfers across different response modes. *Acta Psychologica*, 161, 86-94.
41. **Schmidt, J.R. & Weissman, D.H.** (2015). Contingent attentional capture triggers the congruency sequence effect. *Acta Psychologica*, 159, 61-68.
42. **Weissman, D.H., Egner, T., Hawks, Z., & Link, J.** (2015). The congruency sequence effect emerges when the distracter precedes the target. *Acta Psychologica*, 156, 8-21.

43. **Schmidt, J.R., De Schryver, M.D., & Weissman, D.H.** (2014). Removing the influence of feature repetitions on the congruency sequence effect: Why regressing out confounds from a nested design will often fall short. *Journal of Experimental Psychology: Human Perception and Performance*, 40(6), 2392-2402.
44. **Weissman, D.H., Jiang, J., & Egner, T.** (2014). Determinants of congruency sequence effects without learning and memory confounds. *Journal of Experimental Psychology: Human Perception and Performance*, 40(5), 2022-2037.
45. **Schmidt, J.R. & Weissman, D.H.** (2014). Congruency sequence effects without feature integration or contingency learning confounds. *PLoS One*. 9(7): e102337
46. **Moore, K.S. & Weissman, D.H.** (2014). A bottleneck model of set-specific capture. *PLoS One*.
47. **Harrivel, A.R., Weissman, D.H., Noll, D.C., & Peltier, S.J.** (2013). Monitoring attentional state with fNIRS. *Frontiers in Human Neuroscience*, 7, 1-10.
48. **Weissman, D.H. & Carp, J.** (2013a). Congruency sequence effects are driven by previous-trial congruency, not previous-trial response conflict. *Frontiers in Psychology*, 4, 1-8.
49. **Weissman, D.H. & Carp, J.** (2013b). The congruency effect in the posterior medial frontal cortex is more consistent with time on task than with response conflict. *PLoS One*, 8(4):e62405.
50. **Kim, K., Carp, J., Fitzgerald, K.D., Taylor, S.F. & Weissman, D.H.** (2013). Neural congruency effects in the posterior medial frontal cortex vanish in healthy youth after controlling for conditional differences in mean RT. *PLoS One*, 8(4):e60710.
51. **Liu, Y., Gehring, W.J., Weissman, D.H., Taylor, S.F., & Fitzgerald, K.D.** (2012). Trial-by-trial adjustments of cognitive control are altered in pediatric obsessive compulsive disorder. *Frontiers in Child and Neurodevelopmental Psychiatry*, 3:41.
52. **Weissman, D.H. & Prado, J.** (2012). Heightened activity in a key region of the ventral attention network is linked to reduced activity in a key region of the dorsal attention network during unexpected shifts of covert visual spatial attention. *NeuroImage*, 61, 798-804.
53. **Orr, J.M., Carp, J., & Weissman, D.H.** (2012). The influence of response conflict on voluntary task switching: A novel test of the conflict monitoring model. *Psych. Research*, 76, 60-73.
54. **Carp, J., Fitzgerald, K.D., Taylor, S.F., Weissman, D.H.** (2012). Removing the effect of response time on brain activity reveals developmental differences in conflict processing in the posterior medial prefrontal cortex. *NeuroImage*, 59, 853-860.
55. **Visscher, K.M. & Weissman, D.H.** (2011). Would the field of cognitive neuroscience be advanced by sharing functional MRI data? *BMC Medicine*, 9:34.
56. **Prado, J. & Weissman, D.H.** (2011). Heightened interactions between a key default-mode region and a key task-positive region are linked to suboptimal current performance but to enhanced future performance. *NeuroImage*, 56, 2276-2282.
57. **Moore, K.S. & Weissman, D.H.** (2011). Set-specific contingent attentional capture can be reduced by preemptively occupying a limited-capacity focus of attention. *Visual Cognition*, 19, 417-44.
58. **Orr, J. M. & Weissman, D.H.** (2011). Succumbing to bottom-up biases during voluntary task

Curriculum Vita

choice predicts increased switch costs. *Frontiers in Cognition*, 2:31.

59. Prado, J. & Weissman, D.H. (2011). Spatial attention influences trial-by-trial relationships between response time and functional connectivity in the visual cortex. *NeuroImage*, 54, 465-473.
60. Prado, J., Carp, J.M., & Weissman, D.H. (2011). Variations of response time in a selective attention task are linked to variations of functional connectivity in the attentional network. *NeuroImage*, 54, 541-549.
61. Carp, J., Kim, K., Taylor, S.F., Fitzgerald, K.D., & Weissman, D.H. (2010). Conditional differences in mean reaction time explain effects of response congruency, but not accuracy, on posterior medial frontal cortex activity. *Frontiers in Human Neuroscience*. 4:231.
62. Moore, K.S. & Weissman, D.H. (2010). Involuntary transfer of a top-down attentional set into the focus of attention: Evidence from a contingent attentional capture paradigm. *Attention, Perception, and Psychophysics*, 72, 1495-1509.
63. Moore, K. S., Porter, C.B., & Weissman, D.H. (2009). Made you look! Irrelevant commands can hijack the attentional network. *NeuroImage*, 46, 270-279.
64. Orr, J.M. & Weissman, D.H. (2009). Anterior cingulate cortex makes two contributions to minimizing distraction. *Cerebral Cortex*, 19, 703-711.
65. Weissman, D.H., Warner, L.M., & Woldorff, M.G. (2009). Momentary reductions of attention permit greater processing of irrelevant stimuli. *NeuroImage*, 48, 609-615.
66. Chee, M.W., Tan, J., Zagorodnov, V., Zheng, H., Weissman, D.H., Venkatraman, V., Dinges, D.F. (2008). Lapsing during sleep deprivation is associated with distributed changes in brain activation. *The Journal of Neuroscience*, 28, 5519-5528.
67. Weissman, D.H., Perkins, A.P., & Woldorff, M.G. (2008). Cognitive control in social situations: A role for the dorsolateral prefrontal cortex. *NeuroImage*, 40, 955-962.
68. Slagter, H.A., Giesbrecht, B., Kok, A., Weissman, D.H., Kenemans, J.L., Woldorff, M.G., & Mangun, G. R. (2007). fMRI evidence for both generalized and specialized components of attentional control. *Brain Research*, 1177, 90-102.
69. Yoshizaki, K., Weissman, D.H., & Banich, M.T. (2007). A hemispheric division of labor aids mental rotation. *Neuropsychology*, 21, 326-336.
70. Wu, C., Weissman, D.H., Roberts, K.C., & Woldorff, M.G. (2007). The neural mechanisms underlying the top-down control of auditory spatial attention. *Brain Research*, 1134, 187-198.
71. Lopez, M., Kosson, D., Weissman, D.H., & Banich, M.T. (2007). Interhemispheric integration in psychopathic offenders. *Neuropsychology*, 21, 82-93.
72. Slagter, H., Weissman, D.H., Giesbrecht, B., Kenemans, J.L., Mangun, G. R., Kok, A., & Woldorff, M.G. (2006). Brain regions activated by endogenous preparatory set-shifting as revealed by fMRI. *Cognitive, Affective, and Behavioral Neuroscience*, 6, 175-189.
73. Weissman, D.H., Roberts, K.C., Visscher, K.M. & Woldorff, M.G. (2006). The neural bases of momentary lapses in attention. *Nature Neuroscience*, 9, 971-978.
74. Giesbrecht, B., Weissman, D.H., Woldorff, M.G., & Mangun, G.R. (2006). Pre-target activity in visual cortex predicts behavioral performance on spatial and feature attention tasks. *Brain Research*, 1080, 63-72.
75. Weissman, D.H., & Woldorff, M.G. (2005). Hemispheric asymmetries for different components of global/local attention occur in distinct temporal-parietal loci. *Cerebral Cortex*, 15, 870-6.
76. Weissman, D.H., Gopalakrishnan, A., Hazlett, C.J., Woldorff, M.G. (2005). Dorsal anterior cingulate cortex resolves conflict from distracting stimuli by boosting attention toward relevant events. *Cerebral Cortex*, 15, 229-237.
77. Busse, L., Roberts, K.C., Crist, R.E., Weissman, D.H., & Woldorff, M.G. (2005). The spread of attention across modalities and space in a multisensory object. *Proceedings of the National Academy of Sciences*, 102, 18751-18756.

Curriculum Vita

78. **Weissman, D.H.**, Warner, L.M. & Woldorff, M.G. (2004). The neural mechanisms for minimizing cross-modal distraction. *The Journal of Neuroscience*, 24, 10941-10949.
79. Woldorff, M.G., Hazlett, C., Fichtenholtz, H.M., **Weissman, D.H.**, Dale, A., Song, A.W. (2004). Functional parcellation of attentional control regions in the brain. *Journal of Cognitive Neuroscience*, 16, 149-165.
80. **Weissman, D.H.** & Compton, R.J. (2003). Practice makes a hemisphere perfect: The advantage of interhemispheric recruitment is eliminated with practice. *Laterality*, 8, 361-375.
81. **Weissman, D.H.**, Giesbrecht, B., Song, A.W., Mangun, G.R., & Woldorff, M.G. (2003). Conflict monitoring in the human anterior cingulate cortex during selective attention to global and local object features. *NeuroImage*, 19, 1361-1368.
82. Cabeza, R., Dolcos, F., Prince, S., Rice, H., **Weissman, D.H.**, & Nyberg, L. (2003). Attention-related activity during episodic memory retrieval: Across-function fMRI Study. *Neuropsychologia*, 41, 390-399.
83. **Weissman, D.H.**, Woldorff, M.G., Hazlett, C.J. & Mangun, G.R. (2002). Effects of practice on executive control investigated with fMRI. *Cognitive Brain Research*. 15 (1), 47-59.
84. **Weissman, D.H.**, Mangun, G.R., Woldorff, M.G. (2002). A role for top-down attentional orienting during interference between global and local aspects of hierarchical stimuli. *NeuroImage*. 17(3), 1266-1276.
85. Compton, R.J. & **Weissman, D.H.** (2002). Hemispheric asymmetries in global-local perception. Effects of individual differences in neuroticism. *Laterality*, 7, 333-350.
86. DiGirolamo, G. J., Kramer, A.F., Barad, V., Cepeda, N.J., **Weissman, D. H.**, Milham, M.P., Wszalek, T.M., Cohen, N.J., Banich, M.T., Webb, A., Belopolsky, A.V., McAuley, E. (2001). General and task-specific frontal lobe recruitment in older adults during executive processes: A fMRI investigation of task switching. *Neuroreport*, 12, 2065-2071.
87. **Weissman, D.H.** & Banich, M.T. (2000). Cooperation between the cerebral hemispheres underlies the performance of complex but not simple tasks. *Neuropsychology*, 14, 41-59.
88. **Weissman, D.H.**, Banich, M.T., & Puente, E.I. (2000). An unbalanced distribution of inputs facilitates interhemispheric interaction. *J. Intl Neuropsychological Society*, 6, 313-321.
89. Banich, M.T. & **Weissman, D.H.** (2000). One of twenty questions for the twenty-first century: how do brain regions interact? *Brain and Cognition*, 42, 29-32.
90. **Weissman, D.H.** & Banich, M.T. (1999). Global-local interference modulated by communication between the hemispheres. *J Experimental Psychology: General*, 128, 283-307.

Submitted**In Preparation**

1. **Weissman, D.H.** Integrated event files store abstract relational bindings and they last long enough to influence hierarchical action control.
2. **Weissman, D.H.**, Schmidt, J.R., & Spinelli, G. Strategic modulations of response activation contribute to list-wide control: Evidence from proportion congruency effects in the prime-probe task.
3. **Weissman, D.H.**, Jones, M., Smith, K.A., & Erb, C.D. Conflict adaptation is independent of conflict.

Science Writing

Porter, C. & **Weissman, D. H.** Putting a lid on bad memories: The mechanics of memory suppression. *Mind Matters Online Blog, Scientific American, October 2, 2007.*

Media Attention

1. National Public Radio's *Morning Edition* (October 2nd, 2008) and *Talk of the Nation* (10-16-08).

Curriculum Vita

2. New Scientist article about our work on brain mechanisms underlying attentional lapses on December 10, 2008 (<http://www.newscientist.com/article/mg20026865.600-bored-your-brain-is-disconnecting.html>)
3. Quoted in Discover magazine's December 28th, 2009 special issue on the brain.
4. Quoted in a 2011 New York Times article about Rick Perry's "Brain Freeze".

Conference Presentations (Students & postdocs I have collaborated with since coming to the University of Michigan are underlined)

Weissman, D.H. & Schmidt, J.R. (2023). Before stimulus onset or only afterward? Anticipatory force distinguishes between competing accounts of contingency learning. *Talk, Psychonomic Society.*

Weissman, D.H., Jones, M., Smith, K.A., & Erb, C.D. (2022). Conflict adaptation is independent of conflict. *Talk, Psychonomic Society.*

Dunaway, M.G. & **Weissman, D.H.** (2022). The congruency sequence effect indexes relaxation and tightening of control. *Poster, Psychonomic Society.*

Tran, S.L. & **Weissman, D.H.** (2022). Abstract relational bindings last long enough to influence hierarchical action control. *Poster, Psychonomic Society.*

Hazeltine, E., Koch, I., & **Weissman, D.** (2021). Comparing binding effects in 2- and 4-choice tasks. Evidence for higher-order feature binding. *Iowa Cognitive Control Collaborative Showcase.* Zoom conference hosted in Iowa City, Iowa. April 23, 2021.

Memmini AK, Kim J, Hu X, **Weissman D**, Rogers A, Herzog N, Renberg S, Sobzack ML, Kovelman I, Broglio SP. Altered hemodynamic response in asymptomatic patients recovering from concussion. *6th International Consensus Conference on Concussion in Sport.* Paris, France. October 2021 (in review).

Weissman, D.H. & Grant, L.D. (2020). Task sets serve as boundaries for the congruency sequence effect even in purely visual tasks. *Talk, Psychonomic Society.*

Grant, L.D. & **Weissman, D.H.** (2020). Outliers among us: How to identify extreme data points in reaction time data. *Poster, Psychonomic Society.*

Memmini AK, Kim J, Hu X, **Weissman D**, Rogers A, Herzog N, Renberg S, Sobzack ML, Kovelman I, Broglio SP. (2020). Identifying effects of concussion on behavioral and hemodynamic changes using functional near-infrared spectroscopy. *71st National Athletic Trainers' Association Annual Meeting and Clinical Symposium.* Atlanta, GA.

Memmini AK, Kim J, Hu X, **Weissman D**, Rogers A, Herzog N, Renberg S, Sobzack ML, Kovelman I, Broglio SP. (2020). Measuring changes in attention task and hemodynamic oxygenation in post-concussion patients using functional near-infrared spectroscopy. *American College of Sports Medicine 67th Annual Meeting.* San Francisco, CA.

Grant, L.D. & **Weissman, D.H.** (2020). Multiple task set boundaries constrain the congruency sequence effect. *Poster, Cognitive Neuroscience Society.*

Weissman, D.H. (2019). Let your fingers do the walking: Finger force distinguishes competing accounts of the congruency sequence effect. *Talk, Psychonomic Society.*

Grant, L.D. & **Weissman, D.H.** (2019). Switching between tasks on different hands reduces the congruency sequence effect. *Poster, Psychonomic Society.*

Cassady, K., Gagnon, H., Lalwani, P., Simmonite, M., Foerster, B., Park, D., Peltier, S.J., Petrou M., Taylor S.F., **Weissman, D.H.**, Seidler, R.D., and Polk, T.A. (2019). Sensorimotor network segregation declines with age, is linked to GABA, and predicts sensorimotor performance. *Poster, Dallas Aging & Cognition Conference.*

Chamberlain, J.D., Gagnon, H., Lalwani, P., Cassady, K., Simmonite, M., Foerster, B., Petrou, M., Seidler, R., Taylor, S., **Weissman, D.**, Park, D.C., Polk, T.A. GABA levels in ventral visual cortex decline with age and predict neural distinctiveness. (2019). *Poster, Dallas Aging & Cognition Conference.*

Curriculum Vita

- Weissman, D.H.** (2018). Domain-specific conflict resolution is an illusion caused by confounds. *Talk, Psychonomic Society.*
- Cookson, S.L., Grant, L.D., & **Weissman, D.H.** (2018). Task sets determine the boundaries of cognitive control. *Poster, Psychonomic Society.*
- Watkins, H., Smith, H., **Weissman, D.H.**, & Larson, M.J (2018). Electrophysiological correlates of confound-minimized congruency sequence effects in psychopathology. *Poster, Society for Psychophysiological Research.*
- Russman Block, S., **Weissman, D.H.**, Angstadt, M., Sripada C., Duval, E.R., King, A.P., & Liberzon, I. (2018). Neural mechanisms of spatial attention deficits in trauma. *Poster, ADAA.*
- Weissman, D.H.** (2018). Sequential control processes in the prime-probe task are not solely dedicated to minimizing distraction. *Talk, Association for Psychological Science.*
- Lalwani, P.S., Gagnon, H.C., Cassady, K., Chamberlain, J., Simmonite, M., Petrou, M., Forester, B., Seidler, R. Taylor, S.F., **Weissman, D.H.**, & Polk, T.A. (2018). Age-related declines in GABA levels in auditory cortex are associated with neural distinctiveness and auditory perception. *Poster, Cognitive Neuroscience Society*
- Cassady, K., Gagnon, H.C., Chamberlain, J., Lalwani, P.S., Simmonite, M., Forester, B., Park, D., Petrou, M., Seidler, R.D., Taylor, S.F., **Weissman, D.H.**, & Polk, T.A. (2018). Aging in the sensorimotor system: Lower GABA levels are associated with decreased network segregation and impaired behavior. *Poster, Cognitive Neuroscience Society.*
- Smith, H.A., **Weissman, D.H.**, Clayson, P.E., Kirwan, B., & Larson, M.J (2018). An assessment of cognitive control differences among individuals with psychopathology: congruency sequence effects in depression, generalized anxiety, and OCD. *Poster, Intern Neuropsych Society.*
- Lalwani, P.S., Gagnon, H.C., Cassady, K., Chamberlain, J., Simmonite, M., Forester, B., Petrou, M., Seidler, R. Taylor, S.F., **Weissman, D.H.**, & Polk, T.A. (2017). Age-related declines in neural distinctiveness and GABA concentrations in auditory cortex. *Talk, Society for Neuroscience.*
- Weissman, D.H.**, Drake, B., Colella, K., & Samuel, D. (2017). Perceptual load is not always a crucial determinant of early versus late selection. *Talk, Psychonomic Society.*
- Cassady, K., Gagnon, H.C., Chamberlain, J., Lalwani, P.S., Simmonite, M., Forester, B., Petrou, M., Seidler, R. Taylor, S.F., **Weissman, D.H.**, & Polk, T.A. (2017). Aging in the somatosensory system: Neural distinctiveness, GABA concentration, and tactile function. *Talk, SFN.*
- Chamberlain, J., Gagnon, H.C., Lalwani, P.S., Cassady, K., Simmonite, M., Forester, B., Petrou, M., Seidler, R. Taylor, S.F., **Weissman, D.H.**, & Polk, T.A. (2017). Neural distinctiveness and GABA concentrations in the aging ventral visual cortex. *Poster, Society for Neuroscience.*
- Grant, L.D. & **Weissman, D.H.** (2017). An attentional mechanism for minimizing cross-modal distraction. *Poster, Cognitive Neuroscience Society.*
- Polk, T.A., Carp, J., Foerester, B., Ossher, L., Petrou, M., Simmonite, M., **Weissman, D.H.** (2016). GABA levels in occipital cortex decline with age and correlate with fluid processing ability. *Poster, Society for Neuroscience.*
- Weissman, D.H.**, Colter, K.M. Grant, L.G., Bissett, P.G. (2016). What triggers conflict adaptation in Stroop-like tasks? *Poster, American Psychological Society.*
- Adleman, N., Chen, G., Reynolds, R., Frackman, A., Razdan, V., **Weissman, D.**, Pine, D., Leibenluft, E. (2016). Age-related differences in the neural correlates of trial-to-trial variations of reaction time. *Poster, Society of Biological Psychiatry.*
- Adleman, N., Chen, G., Reynolds, R., Frackman, A., Razdan, V., **Weissman, D.**, Pine, D., Leibenluft, E. (2016). Age-related differences in the neural correlates of trial-to-trial variations of reaction time. *Poster, Cognitive Neuroscience Society.*
- Weissman, D.H.**, Hawks, Z.W., & Egner, T. (2015). Different levels of learning shape the congruency sequence effect. *Talk, Psychonomics Society.*

Curriculum Vita

- Schmidt, J.R. & **Weissman, D.H.** (2015). Contingent attentional capture triggers the congruency sequence effect. *Talk, Belgian Association for Psychological Sciences.*
- Larson, M.J., **Weissman, D.H.**, Kirwan, C.B., & Clayson, P.E. (2015). Event-related potential (ERP) indices of control-driven congruency sequence effects. *Poster, Society for Psychophysiological Research.*
- Block, S., King, A., Sripada, R., Weissman, D., Welsh, R., Liberzon, I. (2015). *Poster, Society of Biological Psychiatry.*
- Hawks, Z. & **Weissman, D.H.** (2015). Memory-control interactions influence the congruency sequence effect. *Poster, Cognitive Neuroscience Society.*
- Huff, S., **Weissman, D.H.**, Hong, Ying-Yi, & Lee, F. (2015). Identity integration is predicted by conflict adaptation in a Stroop-like task. *Poster, Society for Personality & Social Psych.*
- Harrivel, A.R., **Weissman, D.H.**, Noll, D.C., & Peltier, S.J. (2014). Monitoring attentional state with fNIRS. *Talk, Society for functional near-infrared spectroscopy.*
- Weissman, D.H.**, Jiang, J., Egner, T. & Schmidt, J.R. (2014). Congruency sequence effects without the typical confounds. *Talk, American Psychological Society.*
- Weissman, D.H.** & Carp, J. (2013). Is reaction time an accurate index of response conflict? A novel test of the conflict monitoring model of cognitive control. *Poster, Soc. for Neurosci.*
- Elliott, J., **Weissman, D.H.**, Giesbrecht, B. (2013). Pre-target alpha differentiates transient and sustained attentional failures during a continuous performance task. *Poster, Soc. Neurosci.*
- Giesbrecht, B. Elliott, J., & **Weissman, D.H.** (2013). Pre-target alpha power predicts errors in a multisensory task when attention is focused, but not when attention is divided. *Poster, Society for Neuroscience.*
- Kim, K., Carp, J., Fitzgerald, K.D., Taylor, S.F., & **Weissman, D.H.** (2012). Brain activity related to conflict processing vanishes in children with OCD and healthy controls after controlling for the RT-BOLD relationship. *Poster, Cognitive Neuroscience Society.*
- Prado, J. & **Weissman, D.H.** (2012). The right inferior frontal gyrus dampens activity in key regions of the dorsal attention network during unexpected shifts of covert visual spatial attention. *Poster, Cognitive Neuroscience Society.*
- Weissman, D.H.** (2012). Co-leader of panel discussion on the role of inhibition in clinical disorders. *Executive Function Conference.* Boulder, Colorado.
- Weissman, D. H.**, Carp, J., Taylor, S.F., & Fitzgerald, K.D. (2011). Removing the effect of RT on brain activity reveals developmental differences in conflict processing in the posterior medial prefrontal cortex. *Poster, Society for Neuroscience.*
- Weissman, D. H.** (2011). Delayed responses are linked to altered functional connectivity involving the attentional and default-mode networks. *Talk, Organization for Human Brain Mapping.*
- Prado, J. & **Weissman, D. H.** (2011). Heightened PCC-DLPFC interactions are linked to slower current-trial RT but to faster next-trial RT. *Poster, Organization for Human Brain Mapping.*
- Harrivel, A., Hearn, T., Carp, J., **Weissman, D. H.** & Peltier, S. (2011). Monitoring attentional state using functional near infrared spectroscopy: A pilot study. *Poster, Organization for Human Brain Mapping.*
- Orr, J.M., Masters, S.E., & **Weissman, D. H.** (2011). Succumbing to bottom-up biases during voluntary task choice predicts increased switch costs. *Poster, Cognitive Neuroscience Society*
- Carp, J. & **Weissman, D. H.** (2010). Do congruency effects in the fronto-parietal network reflect conflict or increased time on task? *Poster, Society for Neuroscience.*
- Orr, J.M., Gehring, W. J., & **Weissman, D. H.** (2010). ERP predictors of voluntary task switching. *Poster, Society for Neuroscience.*
- Prado, J. & **Weissman, D. H.** (2010). Trial-by-trial variations of reaction time in a covert visual spatial attention task are linked to variations of functional connectivity in the visual cortex.

Curriculum Vita

Poster, Organization for Human Brain Mapping.

- Moore, K.S., Darline, E.F., Steinberg, J.B., Pinkser, E.A., Weissman, D. H. (2010). Contingent attentional capture influences performance not only by depleting limited target processing resources, but also by changing attentional control settings. *Poster, Vision Sciences Society.*
- Prado, J., Carp, J.M., & Weissman, D. H. (2009). Momentary reductions of attention are associated with decreased functional connectivity within the default mode network. *Poster, Society for Neuroscience.*
- Moore, K.S., Sottile, M., Darling, E.F., Weissman, D. H. (2009). Target-colored distracters attract feature attention. *Poster, Psychonomic Society.*
- Moore, K.S., Lai, A., Chen, P., Pinkser, E.A., Sottile, M.E., & Weissman, D. H. (2009). Catch me if you can: The need to switch between attentional sets enhances contingent attentional capture effects. *Poster, Vision Sciences Society.*
- Orr, J.M., Diab, W.B., Carp, J., & Weissman, D. H. (2009). If at first you don't succeed, try, try again: Errors influence decision-making during voluntary task switching. *Poster, Cognitive Neuroscience Society.*
- Orr, J.M., Diab, W.B., Weissman, D.H. (2008). To switch or not to switch? Response conflict influences decision making in a voluntary task switching paradigm. *Poster presented at Neuroscience and Cognitive Control, University of Ghent, Belgium.*
- Prado, J., Carp, J.M., & Weissman, D.H. (2008). Attentional lapses are associated with reduced functional connectivity in the fronto-parietal network. *Poster, Society for Neuroscience.*
- Weissman, D. H.,** Warner, L.M., Woldorff, M.G., Orr, J., Moore, K.S., Porter, C.B. (2008). Neural activity during multisensory processing: Attention makes a difference! *Talk presented at the Endo-Neuro-Psycho Meeting, Doorweth, The Netherlands.*
- Moore, K. S., Porter, C.B., & Weissman, D.H. (2008). Made you look! Irrelevant commands hijack the attentional network. *Poster, Cognitive Neuroscience Society.*
- Orr, J. & Weissman, D.H. (2007). Double dissociation in the anterior cingulate cortex for distinct aspects of cognitive control. *Poster, Society for Neuroscience.*
- Chee, M.W., Tan, J., Zagorodnov, V., Zheng, H., **Weissman, D. H.,** Venkatraman, V. (2007). The neural basis of lapses occurring after sleep deprivation. *Poster, Society for Neuroscience.*
- Weissman, D.H.,** Warner, L.M., & Woldorff, M.G. (2007). Increasing attention to resolve response conflict results in enhanced activity in motor regions underlying the correct response. *Poster, Cognitive Neuroscience Society.*
- Weissman, D. H.** (2007). How can computational modeling and imaging inform one another? Panelist in discussion at the *ICCN-Cognitive Modeling Conference, July, 2007.*
- Weissman, D. H.,** Roberts, K.C., Visscher, K.M., Woldorff, M.G. (2006). The neural correlates of momentary lapses in attention. *Poster, Organization for Human Brain Mapping.*
- Wu, C. T., **Weissman, D. H.,** Woldorff, M. G. (2006). Contingent attentional capture occurs only for stimuli that can be consciously perceived. *Poster, Vision Sciences Society.*
- Weissman, D. H.,** Perkins, A.P., & Woldorff, M.G. (2006). Distinct roles for superior temporal and middle frontal regions in social cognition. *Poster, Cognitive Neuroscience Society.*
- Weissman, D. H.,** Roberts, K.C., Visscher, K.M., Woldorff, M.G. (2005). The neural correlates of momentary lapses in attention. *Poster, Society for Neuroscience.*
- Weissman, D. H.,** Warner, L. M. & Woldorff, M.G. (2005). The neural mechanisms for minimizing cross-modal distraction. *Poster, Cognitive Neuroscience Society.*
- Slagter, H.A., Giesbrecht, B., Kok, A., **Weissman, D.H.,** Kenemans, J.L., Mangun, G.R., & Woldorff, M.G. (2005). Spatio-temporal dynamics of brain mechanisms in attentional control: A combined ERP and fMRI study. *Poster, Cognitive Neuroscience Society.*
- Weissman, D. H.,** Warner, L. M. & Woldorff, M.G. (2004). An fMRI investigation of the neural mechanisms that resolve conflict from distracting stimuli presented in an irrelevant sensory modality. *Talk, Society for Neuroscience.*

Curriculum Vita

- Weissman, D. H.** & Woldorff, M.G. (2004). Hemispheric asymmetries for attention to global versus local object features investigated with event-related fMRI. *Poster, Cog Neuroscience Society.*
- Wu, C., Roberts, K., Hazlett, C., **Weissman, D. H.**, & Woldorff, M. G. (2004). Neural substrates for the executive control of auditory spatial attention. *Poster, Cognitive Neuroscience Society.*
- Woldorff, M. G., Roberts, K., Busse, L., Hazlett, C., & **Weissman, D. H.** (2004). Visual spatial attention modulates auditory cortex response to mislocated task-irrelevant tones in the ventriloquism effect. *Poster, Cognitive Neuroscience Society.*
- Weissman, D. H.**, Gopalakrishnan, A., Hazlett, C. J., & Woldorff, M. G. (2003). The role of human anterior cingulate cortex in attentional control. *Poster, Society for Neuroscience.*
- Slagter, H. A., **Weissman, D. H.**, Giesbrecht, B., Kenemans, J. L., Mangun, G. R., Kok, A. (2003). Spatial versus nonspatial preparatory attention: a combined fMRI and ERP study. *Talk presented at the Annual Meeting of the Society for Neuroscience.*
- Weissman, D. H.** & Woldorff, M. G. (2003). Next-trial congruency effects in the global/local paradigm investigated with fMRI. *Poster, Cognitive Neuroscience Society.*
- Weissman, D. H.**, Woldorff, M. G., Song, A.W. & Mangun, G. R. (2002). Both perceptual/semantic conflict and response conflict between target and distracter stimuli activate midline frontal regions. *Poster, Society for Neuroscience.*
- Kenemans, J. L., Grent-’t Jong, T. L., Giesbrecht, B., **Weissman, D.H.**, Woldorff, M. G. & Mangun, G. R. (2002). A sequence of brain-activity patterns in the control of visual attention. *Poster, Society for Physiological Research.*
- Giesbrecht, B., Grent-’t Jong, T., Kenemans, J. L., **Weissman, D. H.**, Woldorff, M. G., & Mangun, G. R. (2002). Spatial and temporal dynamics of non-spatial attentional control: A combined fMRI and ERP study. *Poster, Organization for Human Brain Mapping.*
- Weissman, D.H.**, Woldorff, M. G., Mangun, G. R. Effects of practice on executive control investigated with fMRI (2002). *Poster, Cognitive Neuroscience Society.*
- Lopez, M., Kosson, D., **Weissman, D. H.**, Banich, M.T. Assessment of interhemispheric integration in psychopaths (2002). *Poster, International Neuropsychological Society.*
- Kenemans, J. L., Grent-’t Jong, T., Giesbrecht, B., **Weissman, D. H.**, Woldorff, M. G., & Mangun, G. R. (2001). Control of Visual Attention. *Talk presented at the Seventh National Meeting of EEG-MEG Source Characterization.*
- Weissman, D.H.**, Woldorff, M.G., & Mangun (2001). Functional role of parietal areas activated by interference between global and local aspects of hierarchical stimuli. *Talk, Soc for Neurosci.*
- Woldorff, M. G., Fichtenholtz, H. M., Tran, T., **Weissman, D.H.**, Song, A. W., & Mangun, G. R. (2001). Separation of cue- and target-related processing in a fast-rate visual spatial attention cueing paradigm. *Poster, Cognitive Neuroscience Society.*
- Weissman, D.H.**, Woldorff, M.G., & Mangun, G. R. (2001). Neural correlates of voluntary orienting for global versus local processing. *Poster, Cognitive Neuroscience Society.*
- DiGirolamo, G. J., Kramer, A. F., Barad, V., Cepeda, N.J., **Weissman, D.H.**, Milham, M.P., Wszalek, T. M., Cohen, N. J., Banich, M. T., Webb, A., & Belopolsky, A. V. (2000). General and task-specific frontal lobe recruitment in older adults during executive processes: An fMRI investigation of task-switching. *Paper presented at Cognitive Aging.*
- Weissman, D.H.** & Banich, M.T. (1999). Interhemispheric interaction underlies the performance of computationally complex tasks. *Poster, Cognitive Neuroscience Society.*
- Weissman, D.H.** & Banich, M.T. (1999). Processing of midline stimuli mediated by interhemispheric interaction when attentional demands are high. *Talk, International Neuropsychological Society.*
- Banich, M.T., Milham, M.P., Passarotti, A., Scalf, P., Spencer, K., & **Weissman, D.H.** (1999). Timing in attentional processing. *Paper presented at the Seventh Annual Meeting of ISBN.*
- Banich, M.T. & **Weissman, D.H.** (1998). Perceptual asymmetries for faces are modulated by encoding mechanisms. *Poster, International Neuropsychological Society.*

Curriculum Vita

- Weissman, D.H.**, Banich, M.T., & Puente, E.I. (1998). The across-hemisphere advantage for complex tasks does not depend on directing an input to a hemisphere with a lighter processing load. *Poster, International Neuropsychological Society.*
- Weissman, D.H.** & Banich, M.T. (1997). Interhemispheric interaction reduces interference in a global/local paradigm even when hemispheric differences for global and local processing are observed. *Poster, Cognitive Neuroscience Society.*
- Weissman, D.H.** & Banich, M.T. (1996). Interhemispheric interaction reduces interference in a global/local paradigm. *Talk, International Neuropsychological Society.*

Invited Talks

- Weissman, D.H. (2023). Adapting to distraction on a trial-by-trial basis. Triggers, targets, and boundaries of adaptive control. *University of Tubingen.*
- Weissman, D.H. (2023). Are conditional differences in mean response time a confound in fMRI studies? *University of Alabama at Birmingham.*
- Weissman, D.H. (2020). Mechanisms and Scope of Adaptive Control. *University of Iowa.*
- Weissman, D.H. (2020). Determinants of congruency sequence effects without learning and memory confounds. *University of Auckland.*
- Weissman, D.H. (2020). Determinants of congruency sequence effects without learning and memory confounds. *University of Colorado at Boulder.*
- Weissman, D.H. (2018). Let your fingers do the walking: Finger force distinguishes between competing accounts of the congruency sequence effect. *University of Michigan's CCN Forum Series.*
- Weissman, D.H. (2016). A role for learning and memory in coping with distraction. *University of Michigan's CCN Forum Series.*
- Weissman, D.H. (2014). Determinants of congruency sequence effects without learning and memory confounds. *Talk presented at the University of Michigan's Social Psychology Forum Series.*
- Weissman, D.H. (2014). Determinants of congruency sequence effects without learning and memory confounds. *Talk presented at the University of Michigan's CCN Forum Series.*
- Weissman, D.H. (2014). Determinants of congruency sequence effects without learning and memory confounds. *Talk presented at the Donders Institute, Nijmegen, The Netherlands.*
- Weissman, D.H. (2014). Determinants of congruency sequence effects without learning and memory confounds. *Talk presented at the University of Amsterdam, Amsterdam, The Netherlands.*
- Weissman, D.H., Sripada, C., Welsh, R. (2013). Introducing the University of Michigan Methods Core: A grant-funded resource for batched fMRI analysis software and user support. *Talk presented at the CCN Forum Talk Series at the University of Michigan.*
- Weissman, D. H. (2012). What can we learn from the RT-BOLD relationship? *Talk presented at the Max Planck Institute for Cognitive and Brain Sciences.*
- Weissman, D. H. (2012). What can we learn from the RT-BOLD relationship? New insights into conflict monitoring, group activation differences, and lapses of attention. *Talk presented at the University of Michigan at Ann Arbor.*
- Weissman, D.H. (2011). What can we learn from the RT-BOLD relationship? New insights into conflict monitoring, group activation differences, and lapses of attention. *Department of Psychology and Beckman Institute, University of Illinois at Urbana-Champaign.*
- Weissman, D. H. (2010). Variations of attention contribute to variations in response time. *Department of Psychology, University of Chicago.*
- Weissman, D. H. (2008). In the zone or zoning out? The neural origins, consequences, and mechanisms for avoiding momentary lapses in attention. *FMRI Discussion Group, NIMH*
- Weissman, D. H. (2008). Zoning out at a moment's notice: The neural correlates of brief attentional lapses. *University of Amsterdam.*
- Weissman, D. H. (2007). Tuning in or tuning out? The ups and downs of attentional control. *Max*

Curriculum Vita

Planck Institute, Berlin, Germany.

- Weissman, D. H. (2007). Tuning in or tuning out? The ups and downs of attentional control. *Center for Neural Science, New York University.*
- Weissman, D. H. (2007). Success in graduate school and beyond. *Cognition & Perception Brown Bag, Department of Psychology, University of Michigan at Ann Arbor.*
- Weissman, D.H. (2006). What can functional neuroimaging tell us about how we exert voluntary control over behavior in both social and non-social environments? *Cognition & Perception Brown Bag, Department of Psychology, University of Michigan at Ann Arbor.*
- Weissman, D.H. (2006). The neural mechanisms for minimizing distraction. *Department of Psychology, Michigan State University.*
- Weissman, D.H. (2006). The neural mechanisms for minimizing distraction. *Department of Psychology, University of North Carolina at Chapel Hill.*
- Weissman, D.H. (2006). The neural mechanisms for minimizing distraction. *Department of Psychology, University of Michigan at Ann Arbor.*
- Weissman, D.H. (2006). The neural mechanisms for minimizing distraction. *Department of Psychology, Indiana University at Bloomington.*
- Weissman, D.H. (2006). The neural mechanisms for minimizing distraction. *Department of Psychology, University of Texas at Austin.*
- Weissman, D.H. (2006). The neural mechanisms for minimizing distraction. *Department of Psychology, Rice University.*
- Weissman, D.H. (2006). The neural mechanisms for minimizing distraction. *Department of Anatomy and Neurobiology, University of Kentucky at Lexington.*
- Weissman, D.H. (2005). The neural mechanisms for minimizing distraction. *Department of Psychology, George Mason University.*
- Weissman, D.H. (2005). The neural mechanisms for minimizing distraction. *Department of Neurobiology and Anatomy, Wake Forest University.*
- Weissman, D.H. (2005). The neural mechanisms for minimizing distraction. *Department of Psychology, University of Missouri at Columbia.*
- Weissman, D.H. (2005). The neural mechanisms for minimizing distraction. *Department of Psychology, University of Georgia at Athens.*
- Weissman, D.H. (2005). The neural mechanisms for minimizing distraction. *Department of Psychology, University of Utah at Salt Lake City.*
- Weissman, D.H. (2005). The neural mechanisms for minimizing distraction. *Department of Psychology, Boston College.*
- Weissman, D.H. (2004). Focusing on distraction: A model for maintaining attention in the presence of irrelevant stimuli. *Cognitive and Linguistic Sciences, Brown University.*
- Weissman, D.H. (2004). Focusing on distraction: A cognitive neuroscience model for maintaining Attention in the presence of irrelevant stimuli. *Dept. of Psychology, University of Washington at Seattle.*
- Weissman, D.H. (2003). Models of attentional control investigated with fMRI. *Dept. of Psychology, University of South Carolina at Columbia.*
- Weissman, D.H. (2003). Neural Mechanisms of attentional control. *Psychological and Brain Sciences, Duke University.*
- Weissman, D.H. (2002). Effects of practice on attentional orienting and response conflict investigated with fMRI. *Center for Cognitive Neuroscience, Duke University.*
- Weissman, D.H. (2001). Attentional control and conflict in the global/local paradigm. *Brain Imaging and Analysis Center, Duke University.*
- Weissman, D.H. (2000). Neural correlates of cued attentional orienting to global and local aspects of hierarchical stimuli. *Psychological and Brain Sciences, Duke University.*
- Weissman, D.H. (1999). Processing of midline stimuli mediated by interhemispheric interaction

Curriculum Vita

when attentional demands are high. *Biological Psychology and the Beckman Institute, University of Illinois at Urbana-Champaign.*

Weissman, D.H. (1997). Interhemispheric interaction reduces interference in a global/local paradigm even when hemispheric differences for global and local processing are observed. *Cognitive Psychology, University of Illinois at Urbana-Champaign.*

Weissman, D.H. (1997). Selective attention modulated by interhemispheric communication. *Philipps University in Marburg, Germany.*

Weissman, D.H. (1997). Selective attention is enhanced by communication between the cerebral hemispheres. *Georgetown Institute for Computational and Cognitive Science.*

Weissman, D.H. (1996). Interhemispheric interaction reduces interference in a global/local paradigm. *Biological Psychology, University of Illinois at Urbana-Champaign.*

Weissman, D.H. (1995). Hemispheric asymmetries for processing faces in context. *Biological Psychology, University of Illinois at Urbana-Champaign.*

Teaching Experience

2016-2023 Attention and Cognitive Control (Psych 746, WN 2016, 2018, 2021, 2023)

2014-2023 Cognitive Neuroscience Methods (Psych 302, FA 2014 – 2023)

2012-2013 Full-Year Sabbatical

2012 Introduction to Cognitive Neuroscience (Psych 245, Winter)

2008, 10-11, 13, 16 Designing/Analyzing fMRI experiments (Psych 808/841)

2009-11 Human Neuropsychology (Psych 345, Winter)

2007-08, 14, 15 Special Topics in Cognitive Neuroscience (Psych 808)

2006 Seminar on Attention (Psych 808, Fall)

2006 Guest Discussion Facilitator in Prelim Class (taught by Dr. Gehring - Fall)

2001-2005 Three fMRI methodology workshops at Duke University.

1993-1997 Seven undergraduate courses in Biopsychology (Univ. of Illinois).

1992 Three 7th grade classes in Math and English (Honolulu, HI Public Schools).

Postdoctoral and Graduate Trainees

2006-2020 Department of Psychology, University of Michigan

Postdoctoral Fellow: Jerome Prado (Tenured Research Scientist, CNRS, France)

Graduate students:

Ph.D. thesis chair

Katherine Moore (Assistant Professor, Arcadia University)

Joseph Orr (Assistant Professor, Texas A&M)

Lauren Grant (Post-doctoral fellow, Washington University)

Ph.D. thesis committee member

Maria Arredondo, Stefanie Block, Yanni Liu, Derek Nee,

Fatemeh Noohi

Graduate Research Advisor

Joshua Carp, Sarah Huff, Kamin Kim

1999-06 Center for Cognitive Neuroscience, Duke University.

Graduate Research Mentor:

Heleen Slagter (Associate Professor, University of Amsterdam)

Vince Wu (Faculty, National University of Taiwan).

Andy Perkins

University of Michigan Psychology Department Service

Diversity Committee (2023-2024)

Augmented Executive Committee (April, 2007, May, 2008, 2016-2017, 2021-2022, 2023-2024)

CCN Social Committee (2022-2023, 2015, 2007-2008, 2008-2009, WN 2010, 2020-2021, 2023)

CCN Subcommittee on Graduate Program (Summer, 2022)

Annual Review Committee (Winter, 2022)

CCN Graduate Student Recruitment Committee (Winter, 2021)

Chair, Mentoring Committee for David Brang (2016 – 2021)

3rd Year Review Committee Chair for Taraz Lee (Fall, 2021)

NextProf Science Mentor (2019)

Psychology Department Executive Committee (Winter 2008, Fall 2008, 2017-2019)

CCN Forum Committee (2016-2019, Winter, 2011)

CCN Admissions Committee (2007-2008, 2010-2011, 2013-2014 (chair), 2014-2015, 2019-2020)

Omar Ahmed 3rd Year Review Committee (Winter, 2019)

Sara Jonovich Promotion Committee (2017)

NextProf Science Psychology Department Liaison (2016-2017)

UM-Psychology's Diversity Recruitment Weekend (2016-2020)

Chair, Interview Committee for Taraz Lee (Winter, 2016)

Mentoring Committee for Taraz Lee (2015-2016)

Psychology Department Liaison to M-Sci (2015-2016)

Comprehensive Studies Faculty Mentor for Xon Howard (2015-2016)

Undergraduate Neuroscience Steering Committee (2014-2015, 2013-2014 & 2011-2012)

Dissertation Committee Chair – K.S. Moore (2009-2010), J. Orr (2010-2011), L.D. Grant (2018-2021)

Diss. Comm. Member – Angela Harrivel (2010-2014), Yanni Liu & Derek Nee (2007-2008)

Diss. Comm. Member – Stefanie Block & Maria Arredondo (2014-2017), Fatemeh Noohi (2016-2018)

Diss. Comm. Member – Karthik Ganesan (2021-2022)

Social Psychology Faculty Search Committee (2013-2014)

Advanced Degree Program Admissions Committee for the CCN Area (Winter, 2012)

Organizer of the Cognition and Cognitive Neuroscience Grant Forum (2011-2012)

Graduate Committee (2010-2011)

Organizer of Monthly Cognitive Neuroscience Journal Club (2010-2011)

Organizer of CCN Monthly Happy Hour (April, 2010 – April, 2011)