

CURRICULUM VITA
Michael J. Wenger
May, 2024

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Education

Ph.D.	Experimental Psychology	1994	Binghamton University
M.S.	Engineering	1989	University of Washington
B.S.	Psychology, Cum Laude	1982	University of Washington

Relevant Experience

- Professor, Department of Psychology and Graduate Program in Cellular and Behavioral Neurobiology, The University of Oklahoma, August 2010 to present.
- Faculty Member, Stephenson Cancer Center, Gynecological Cancer Center, October 2018 to present.
- Faculty Member, Health Promotion Research Center, Stephenson Cancer Center, June 2019 to present.
- Visiting Professor, Division of Nutritional Sciences, College of Human Ecology, Cornell University, February 2012 to May 2015.
- Founding Director, Penn State Human Electrophysiology Facility, Social, Life, and Engineering Sciences Imaging Center, July, 2006 to July, 2010.
- Visiting faculty, Justus-Liebig-Universität Giessen, Giessen, Germany, July, 2005; July, 2008.
- Associate Professor, with joint appointments in the Department of Psychology and the Intercollege Graduate Degree Program in Neuroscience, Huck Institutes of the Life Sciences, The Pennsylvania State University, July, 2004 to July, 2010.
- Associate Professor, Department of Psychology, University of Notre Dame, May 2003 to June, 2004.
- Assistant Professor, Department of Psychology, University of Notre Dame, July 1999 to May, 2003.
- Assistant Professor, Department of Psychology, University of California, Santa Cruz, July, 1997 to July, 1999.
- Post-doctoral Fellow, Department of Psychology, Indiana University, 1995-1997.
- Post-doctoral Fellow, Department of Psychology, University of Massachusetts, 1994-1995.
- Human Factors Engineer, IBM Corporation, Endicott, NY, 1989-1992.
- Human Factors Developer, Information Development and Testing, The Boeing Company, Seattle, WA, 1988-1989.

Funding

- External

- Federal Aviation Administration, , Civil Aerospace Medical Institute, “Leveraging EEG and ECG to examine the stress response and self-regulation processes in complex skill learning.” PI: E. A. Day, \$1,412,348 (2024-2026). Role: co-PI.
- National Eye Institute, National Institutes of Health, “Characterizing the prevalence and nature of facial recognition deficits in non- proliferative diabetic retinopathy.” PI: M. J. Wenger, \$398,311, 1 R21 EY034326-01A1 (06/01/2023 - 05/31/2025).
- National Institute of General Medical Sciences, National Institutes of Health, “Oklahoma Center of Medical Imaging for Translational Cancer Research.” PI: Bin Zheng, \$11,335,100, (02/15/2022 – 12/31/2026). Role: Mentor, project 1.
- The Recording Academy Grammy Museum, “Neural prediction in young adults with dyslexia with differing levels of musical training.” PI: T. Centanni, \$10,000 (7/01/22-6/30/2024).
- National Cancer Institute, Stephenson Cancer Center Center Support Grant P30CA225520, “Dopamine dysregulation and changes in neurovascular coupling as mechanisms in cancer treatment-related cognitive impairment.” PI: M. J. Wenger, \$50,000 (5/01/2020-4/30/2024, with NCE).
- National Institutes of Health, National Institute of Environmental Health Sciences, “Iron deficiency at perimenopause: Effects on brain and behavior.” PI: M. J. Wenger, \$428,400, 1 R21 ES027909 (9/30/2018-8/31/2022).
- National Science Foundation, “MRI: Acquisition of a Regional Resource for Long-term Archiving of Large Scale Research Data Collections.” PI: H Neeman, \$967,755 (2018-2021).
- National Science Foundation, “Building a unified theory methodology for identification of elementary cognitive systems,” PI: M. J. Wenger, \$363,973, BCS-1331089 (2013-2017).
- International Food Policy Research Institute, “Cognitive performance testing: validation and norming of cognitive tests used in the HarvestPlus Biofortified pearl millet efficacy study in Maharashtra, India,” PI: M. J. Wenger, \$236,018 (2012-2013).
- National Institutes of Health, National Institute of Environmental Health Sciences, “Iron metabolism, brain energetics, and perceptual and cognitive performance,” (1 K18 ES021624, PI: M. J. Wenger), \$109,652 (2011-2012).
- International Food Policy Research Institute, HarvestPlus, “Effects of biofortified beans on perceptual, cognitive, and neural states of Rwandan and Indian adolescents.” Consultant to ETH Zurich and SNDT Women’s University Mumbai, \$109,000 (direct costs only), 2011-2012.
- National Science Foundation, “MRI: Acquisition of Extensible Petascale Storage for Data Intensive Research” (OCI-1039829, PI: H. Neeman) \$792,000 (2010-2014).
- National Institute of Mental Health, “High level influences on low level learning,” (1 R01 MH072795, PI: M. J. Wenger) \$1,113,844 (2007-2011).
- National Institute of Mental Health, “Perceptual processes, evidence, and configularity,” (R01 MH57717, PI: J. T. Townsend) \$930,066 (2007-2010).
- Mathile Institute for the Advancement of Human Nutrition, Micronutrient Initiative, “Cognitive consequences of iron repletion.” Consultant to J. Haas, Cornell University, \$26,837 (direct costs only), 2009-2010.
- National Institute on Aging, “Neuroscience, models, and methods in cognitive aging,” (1 R13 AG023103-01), \$15,000 (2004).
- National Institute on Aging, “Changes in memory capacity across the lifespan” (1 R03 AG022680-01), \$71,825, (2003-2004).
- National Institute of Mental Health, “Perceptual processes, evidence, and configularity,” sub-contract to Indiana University, James T. Townsend, PI (1 R01 MH057717), \$235,501 (subcontract total, 2003-2006).

- Joint study agreement, IBM Research Division, Almaden Research Center. Grant of equipment (approximate value \$8,000) and internship opportunities for graduate students (2001-2004).
 - National Institutes of Mental Health, “Dynamic models for latency-accuracy relations in memory” (1 R03 MH59845), \$136,750, 2001-2003.
 - National Institutes of Mental Health, (1 R01 MH57717-01), “Perceptual processes, evidence, and configural,” post-doctoral co-PI with James T. Townsend, Indiana University, \$616,862, 1998-2001.
 - National Institute of Mental Health (1 F32 MH11491-01), Individual National Research Service Award, “Dynamic systems models for redundancy gain,” \$28,906, 1996-1997.
- Internal
 - The University of Oklahoma, Vice President for Research and Partnerships, Norman Campus, Faculty Investment Program, “Using perceptual learning to attenuate the other race effect in recognition memory,” \$15,000, 3/15/2024-3/14/2025. PI: M. J. Wenger.
 - The University of Oklahoma, Vice President for Research and Partnerships, Norman Campus, Faculty Investment Program, “Piloting the viability of EEG measurement towards a dynamic theory of self-regulation in the acquisition, retention, and adaptive transfer of complex performance,” \$15,000, 5/6/2022-5/5/2023. Co-PI: M. J. Wenger with E. Day.
 - Dodge Family College of Arts and Sciences Senior Faculty Summer Fellowship, \$8,000, 5/15/2022-8/15/2022. PI: M. J. Wenger
 - Stephenson Cancer Research Center, NCI Cancer Center Support Grant, “Feasibility Demonstration: Dopamine dysregulation and changes in neurovascular coupling as mechanisms in cancer treatment-related cognitive impairment,” \$10,000 12/1/2019-12/1/2022. PI: M. J. Wenger
 - The University of Oklahoma, Vice President for Research Norman Campus, Faculty Investment Program, “Electroretinography in the study of iron deficiency,” \$14,978, 10/1/2019-04/02/2022. PI: M. J. Wenger.
 - The University of Oklahoma, Vice President for Research Norman Campus, Faculty Investment Program, \$15,000 10/1/2016-10/1/2017. PI: M. J. Wenger
 - The University of Oklahoma, Office of the President, “Nutritional Neuroscience: The Metal in Your Head,” \$20,000, Presidential Dream Course award, 9/1/16-5/31/17. PI: M. J. Wenger
 - OCNS/OUBC Funding for Interdisciplinary Research, “Default mode networks and memory consolidation in elders with and without mild cognitive impairment,” \$50,000, 4/1/16-3/31/17, co-investigator, PIs: H. Yuan and B. W. Carlson.
 - Presbyterian Health Foundation, “Comparison of Cerebral Oxygenation and Cerebrovascular Reactivity during Sleep in Preclinical Mild Cognitive Impairment with Lewy Bodies and Amnesic Mild Cognitive Impairment,” \$45,000, 10/1/2014-9/30/2015. Co-PIs: B. W. Carlson and M. J. Wenger.
 - The University of Oklahoma, Vice President for Research Norman Campus, Faculty Investment Program, \$15,000 (2014). PI: M. J. Wenger.
 - The University of Oklahoma, Vice President for Research Health Sciences Center, \$29,884, co-PIs: M. J. Wenger and B. W. Carlson.
 - The University of Oklahoma, College of Arts and Sciences, Faculty Enrichment Grant, \$1,200 (2011).
 - The Pennsylvania State University College of Medicine, Clinical and Translational Science Institute, “Brain iron content during deficiency and repletion: Relation to systemic status, iron stores, and cognitive performance,” \$29,727 (2009-2010).
 - The Pennsylvania State University, Social Science Research Institute, “Brain iron content during deficiency and repletion: Relation to systemic status, iron stores, and cognitive performance,” \$35,100 (2009-2010).

- The Pennsylvania State University, Office of Global Programs, World University Network, support for an international workshop on quantitative and experimental methodologies for studying perceptual organization, \$12,500 (2009-2010).
- The Pennsylvania State University, Huck Life Sciences Institute, support for the acquisition of statistical software for modeling high-density EEG data, \$18,000 (2005-2006).
- The Pennsylvania State University, Children, Youth, and Families Consortium, College of the Liberal Arts, College of Health and Human Development, support for the creation of a high-density ERP/EEG laboratory, \$218,000, (2005-2008).
- University of Notre Dame, Henkels Lecture Grant, College of Arts and Letters, Graduate School, support for 2004 Notre Dame Series on Quantitative Methodology, \$16,000 (2004).
- University of Notre Dame, Henkels Lecture Grant (invited presentation by J. T. Townsend, Applied Mathematics Seminar Series), \$500, February, 2004.
- University of Notre Dame, Exploratory Seminar, Computational Neuroscience of Vision (interdisciplinary seminar involving faculty from Psychology, Computer Science and Engineering, Biology, and Anthropology), \$5,000, 2003-2004.
- University of Notre Dame, Multi-year Collaborative Research Grant, \$75,000, 2002-2005. 1 R21 EY034326-01A1
- University of Notre Dame, Faculty Research Program 2001, \$14,184.
- University of California, Santa Cruz, Faculty Research Committee Grant, academic years 1997, 1998 (\$2,500 each).
- University of California, Santa Cruz, Division of Social Sciences, Divisional Research Award, \$5,000, 1998.
- Faculty sponsor, student awards
 - University of Oklahoma Undergraduate Research Opportunity award to Aylin Ak, \$2,700, 2022-2024 (three awards).
 - Penn State Social Science Research Institute award to Rebecca Von Der Heide, “The relationship between eye movements and developmental changes in human face recognition,” \$5,000, 2009-2010.
 - National Institutes of Neurological Diseases and Stroke (1K25NS061001-01A2), “Brain-robot interface: A robust, high-performance, predictive control algorithm,” Mentored Scientist Award to Dr. Kamrun Nahar, Engineering Sciences and Mechanics. Role: Faculty advisor (with S. Schiff), \$130,481, 2008-2013.
 - World University Network travel award to Dr. Tammryn Menneer, Southampton University (UK), February, 2009.
 - Honor’s College Summer Research Award to Yash Joshi, \$1,000, 2007 (PSU).
 - Undergraduate Student Research Fund award to Jamie Eberly, \$250, 2006 (PSU).
 - Undergraduate Research Opportunities Program award to Jonathan Frecceri, \$600, 2004 (ND).
 - Undergraduate Research Opportunities Program award to Erin M. Ingvalson, \$750, 2000 (ND).
 - Honors Program Undergraduate Research Grant to Marie-Therese Mansfield, \$1,700, 2000-2001 (ND).

Honors, Fellowships, and Awards

- Fellow, American Psychological Association, Division 3 (Experimental), elected 2005.
- Fellow, American Psychological Society, elected, 2004.

- 2000 Young Investigator Award, American Psychological Association Division of Experimental Psychology, for “On the whats and hows of retrieval in the acquisition of a simple skill,” *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 25, 1137-1160.
- Junior Scholar, National Science Foundation Workshop on Mathematical Psychology, University of California, Irvine, July, 1997.
- Postdoctoral Research Fellowship, Mathematical Modeling of Cognitive Processes, Cognitive Science Program, Indiana University, 1995-1996.
- Postdoctoral Research Fellowship, University of Massachusetts-Amherst, 1994-1995.
- Achievement Award for Research Article, Society for Technical Communication Chapter 34, 1995: “Reduced text structure at two text levels: Impacts on the performance of technical readers” (Wenger & Spyridakis, 1993).
- International Award for Distinguished Technical Communication, Society for Technical Communication, 1993: “Writing for human performance: Relating reading research to document design” (Spyridakis & Wenger, 1992).
- Best student research publication, Visual Performance Technical Group, Human Factors Society, 1992: “An examination of the processes supporting comprehension and recall of hypertext” (Wenger, 1992).

Publications

‡ indicates a collaboration with a graduate or undergraduate student or postdoc

i indicates an invited paper or presentation

1. ‡, *i* Rhoten, S. E., Wenger, M. J., & De Stefano, L. A. (2024, under review). Iron deficiency negatively affects behavioral measures of learning, indirect neural measures of dopamine, and neural efficiency. *Cognitive, Affective, and Behavioral Neuroscience*.
2. ‡ Newbolds, S. F., & Wenger, M. J. (2024). Assessing the pattern electroretinogram as a proxy measure for dopamine in the context of iron deficiency. *Nutritional Neuroscience*. <https://doi.org/10.1080/1028415X.2024.2304943>
3. ‡ Chesbro, G. A., Owens, C., Reese, M., De Stefano, L., Kellawan, J. M., Larson, D. J., Wenger, M. J., & Larson, R. D. (2024). Changes in brain activity immediately post-exercise indicate a role for central fatigue in the volitional termination of exercise. *International Journal of Exercise Science*, 17, 220-234.
4. ‡ De Stefano, L. A., Wenger, M. J., Miner, J., & Gronlund, S. D. (2024, under revision). Examining the elements of episodic memory: Behavioral and electrophysiological effects of what, when, and where.
5. ‡ Barnett, A. L., Wenger, M. J., Yunus, F. M., Jalal, C., & DellaValle, D. M. (2023). The Effect of iron-fortified lentils on blood and cognitive status among adolescent girls in Bangladesh. *Nutrients*, 15, 5001. <https://doi.org/10.3390/nu15235001>.
6. ‡ Liu, Y., Townsend, J. T., & Wenger, M. J. (2023). Don't be a square: The Processing mechanisms characterizing the elemental dimensions of width and height. *Quarterly Journal of Experimental Psychology*, 76, 792-826. <https://doi.org/10.1177/17470218221096950>
7. ‡ Chen, Y., Tang, J., De Stefano, L., Wenger, M. J., Ding, L., Craft, M. A., Carlson, B. W., & Yuan, H. (2022). Electrophysiological resting state brain network and episodic memory in healthy aging adults. *NeuroImage*, 253, 118926.
8. ‡ Wenger, M. J., Murray-Kolb, L. E., Scott, S. P., Boy, E., & Haas, J. D. (2022). Modeling relationships between iron status, behavior, and brain electrophysiology: Evidence from a randomized study involving a biofortified grain in Indian adolescents *BMC Public Health*, 22, 1299, <https://doi.org/10.1186/s12889-022-13612-z>.

9. † Wenger, M. J., Townsend, J. T., De Stefano, L. A., & Liu, Y. (2021). Effects of shifts in response preferences on characteristics of representation and real-time processing: An Application to the Hering Illusion. *Attention, Perception, & Psychophysics*. doi: <https://doi.org/10.3758/s13414-021-02397-9>, 84, 101-123.
10. † Wenger, M. J., DellaValle, D. M., Todd, L. E., Barnett, A. L., & Haas, J. D. (2021). Limited shared variance among measures of cognitive performance used in nutrition research: The Need to prioritize construct validity and biological mechanisms in choice of measures. *Current Developments in Nutrition*. <https://doi.org/10.1093/cdn/nzab070>
11. Townsend, J. T., & Wenger, M. J. (2021). A Beginning quantitative taxonomy of cognitive activation systems and application to continuous flow processes. *Attention, Perception, & Psychophysics*. <https://doi.org/10.3758/s13414-020-02180-2>
12. † Gibson, B. G., Pauzek, J., Trost, J., & Wenger, M. J. (2021). Perceived uncertainty is greater for joint- than single- distribution probability cues. *Attention, Perception, & Psychophysics*. <https://doi.org/10.3758/s13414-020-02145-5>
13. Centanni, T. M., Halpern, A. R., Seisler, A. R., & Wenger, M. J. (2020). Context-dependent neural responses to minor notes in frontal and temporal regions distinguish musicians from non-musicians. *Cognitive, Affective, and Behavioral Neuroscience*. 20(3), 551-564.
14. † Townsend, J. T., Liu, Y., Zhang, R., & Wenger, M. J. (2020). Interactive parallel models: No, Virginia, violation of Miller's race inequality does not imply coactivation, and Yes, Virginia, context invariance is testable. *The Quantitative Methods for Psychology*, 16(12), 192-212.
15. † Wenger, M. J., & Rhoten, S. E. (2020). Perceptual learning produces perceptual objects. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 46(3), 455-475.
16. † Wenger, M. J., Rhoten, S. E., Murray-Kolb, L. E., Scott, S. P., Boy, E., Gahutu, J-B., & Haas, J. D. (2019). Changes in iron status are related to changes in brain activity and behavior in Rwandan female university students: Results from a randomized controlled efficacy trial involving iron-biofortified beans. *Journal of Nutrition*, 149(4), 687-697.
17. † Scott, S. P., Murray-Kolb, L. E., Wenger, M. J., Udipi, S. A., Gughre, P. S., Boy, E., & Haas, J. D. (2018). Cognitive performance in Indian school-going adolescents is positively affected by consumption of iron-biofortified pearl millet: A 6-month randomized controlled efficacy trial. *Journal of Nutrition*, 148(9), 1462-1471.
18. † Von Der Heide, R. J., Wenger, M. J., Bittner, J. L., & Fitousi, D. (2018). Converging operations and the role of perceptual and decisional influences on the perception of faces: neural and behavioral evidence. *Brain and Cognition*, 122, 59-75.
19. † Murray-Kolb, L. E., Wenger, M. J., Scott, S. P., Rhoten, S. E., Lung'aho, M. G., & Haas, J. D. (2017). Consumption of iron-biofortified beans positively affects cognitive performance in 18-to 27-year-old Rwandan female college students in an 18-week randomized controlled efficacy trial. *The Journal of Nutrition*, 147(11), 2109-2117.
20. Wenger, M. J., DellaValle, D. M., Murray-Kolb, L. E., & Haas, J. D. (2017). Effect of iron deficiency on simultaneous measures of behavior, brain activity, and energy expenditure in the performance of a cognitive task. *Nutritional Neuroscience*. DOI: 10.1080/1028415X.2017.1360559.
21. † Wenger, M. J., Murray-Kolb, L. E., Nevins, J. E. H., Venkatramanan, S., Reinhart, G. A., & Haas, J. D. (2017). Consumption of a double-fortified salt improves perceptual, attentional, and mnemonic functioning in women in India. *Journal of Nutrition*. doi: 10.3945/jn.117.251587
22. † Venkatramanan, S., Marquis, G. S., Neufeld, L. M., Wenger, M. J., Murray-Kolb, L. E., Reinhart, G. A., & Haas, J. D. (2017). Double fortified salt intervention improved iron intake, but ethnicity predicted other nutrient intakes and nutritional status of female working on a tea plantation in West Bengal, India. *Food and Nutrition Bulletin*.

23. † Haas, J. D., Luna, S. V., Lung'aho, M. G., Ngabo, F., Wenger, M. J., Murray-Kolb, L. E., Beebe, S., Gahutu, J-B., & Egli, I. M. (2016). Consuming iron biofortified beans increases iron status in Rwandan women after 18 weeks. *Journal of Nutrition*. doi: 10.3945/jn.115.224741
24. † Altieri, N., Lentz, J. J., Townsend, J. T., & Wenger, M. J. (2016). The McGurk effect: An Investigation of attentional capacity employing response times, *Attention, Perception, & Psychophysics*. DOI 10.3758/s13414-016-1133-4.
25. † Altieri, N., Wenger, M. J., Wallace, M. T., & Stevenson, R. A. (2016). Does the number of perceptions or does cross-modal auditory cueing influence audiovisual processing speed? *American Journal of Psychology*, 129, 11-21.
26. † Finkelstein, J., Mehta, S., Udipi, S. A., Ghugre, P. S., Luna, S.V., Wenger, M. J., Murray-Kolb, L. E., Przybyszewski, E. M., & Haas, J. D. (2015). A Randomized trial of iron-biofortified pearl millet in school children in India. *Journal of Nutrition*, doi: 10.3945/jn.114.208009.
27. † Altieri, N., Stevenson, R., Wallace, M., & Wenger, M. J., (2015). Learning to associate auditory and visual stimuli: behavioral and neural mechanisms. *Brain Topography*, 28, 479-493.
28. † Thomas, R. D., Altieri, N. A., Silbert, N. H., Wenger, M. J., & Wessels, P. M. (2015). Multidimensional signal detection decision models of the uncertainty task: Application to face perception. *Journal of Mathematical Psychology*, 66, 16-33.
29. † Altieri, N., Stevenson, R. A., & Wenger, M. J. (2014). Do double flashes from the flash-beep illusion contribute to multisensory redundancy gain? *Experimental Brain Research*.
30. † Altieri, N., Townsend, J. T., & Wenger, M. J. (2014). A measure for assessing the effects of audiovisual speech integration. *Behavior Research Methods*, 46 (2), 406–415.
31. †, i De Moura, F. F., Palmer, A. C., Finkelstein, J. L., Haas, J. D., Murray, L. E., Wenger, M. J., Birol, E., Boy, E., & Peña-Rosas, J. P. (2014). Are biofortified staple food crops improving vitamin a and iron status in women and children? New evidence from efficacy trials. *Advances in Nutrition*. 5, 568-570.
32. † Meadmore, K., Liversedge, S., Wenger, M. J., & Donnelly, N. (2014). Exploring the relationship between response time, sensitivity and bias in categorical and coordinate visuospatial processes: Evidence for hemispheric specialisation. *Journal of Cognitive Psychology*.
33. † Mestry, N., Menneer, T., Wenger, M. J., Benikos, N. P., & McCarthy, R. (2014). The role of configurality in the Thatcher illusion: An ERP study. *Psychonomic Bulletin & Review*. DOI 10.3758/s13423-014-0705-3
34. † Haas, J. D., Rahn, M., Venkatramanan, S., Marquis, G. S., Wenger, M. J., Murray-Kolb, L. E., Wesley, A. S., Reinhart, G. A. (2014). Double-fortified salt is efficacious in improving indicators of iron deficiency in female Indian tea pickers. *Journal of Nutrition*, 144, 957-964.
35. † Altieri, N., & Wenger, M. J. (2013). Neural dynamics of audiovisual speech integration under variable listening conditions: An individual participant analysis. *Frontiers in Psychology*, 4 (615), 1-15..
36. † Altieri, N., Townsend, J. T., & Wenger, M. J. (2013). A Measure for assessing the effects of audiovisual speech integration. *Behavior Research Methods*.
37. † Fitousi, D., & Wenger, M. J. (2013). Variants of independence in the perception of facial identity and expression. *Journal of Experimental Psychology: Human Perception and Performance*, 39, doi: 10.1037/a0028001.
38. † Mestry, N., Menneer, T., Wenger, M. J., & Donnelly, N. (2012). Identifying sources of configurality in three face processing tasks. *Frontiers in Psychology*, 3, 1-14.

39. § Richards, H. J., Hadwin, J. A., Benson, V., Wenger, M. J., & Donnelly, N. (2011). Exploring the relationship between anxiety and processing capacity for threat detection. *Psychonomic Bulletin & Review*, *18*, 883-889.
40. § Fitousi, F., & Wenger, M. J. (2011). Processing capacity under perceptual and cognitive load: A closer look at load theory. *Journal of Experimental Psychology: Human Perception and Performance*, *37*, 781-798.
41. § Cornes, K., Donnelly, N., Godwin, H., & Wenger, M. J. (2011). Perceptual and decisional factors influencing the detection of the Thatcher illusion. *Journal of Experimental Psychology: Human Perception and Performance*, *37*, 645-668.
42. i Wenger, M. J., Negash, S., Petersen, R. C., & Petersen, L. (2010). Modeling and estimating recall processing capacity: Sensitivity and diagnostic utility in application to mild cognitive impairment. *Journal of Mathematical Psychology*, *54*, 73-89.
43. § Wenger, M. J., Copeland, A. M., Bittner, J. L., & Thomas, R. D. (2008). Evidence for criterion shifts in visual perceptual learning: Data and implications. *Perception & Psychophysics*, *70*, 1248-1273.
44. § Richler, J. J., Gauthier, I., Wenger, M. J., & Palmeri, T. J. (2008). Holistic processing of faces: Perceptual and decisional components. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *34*, 328-342.
45. § Maglio, P. P., Wenger, M. J., & Copeland, A. M. (2008). Epistemic actions for self-priming: expertise and the effective use of memory. *Acta Psychologica*, *127*, 72-88.
46. § Wenger, M. J., & Rasche, C. (2006). Perceptual learning in contrast detection: Presence and costs of shifts in response criteria. *Psychonomic Bulletin & Review*, *13*, 656-661.
47. Wenger, M. J., & Townsend, J. T. (2006). On the costs and benefits of faces and words: Process characteristics of feature search in highly meaningful stimuli. *Journal of Experimental Psychology: Human Perception and Performance*, *33*, 755-779.
48. § Copeland, A. M., & Wenger, M. J. (2006). An investigation of perceptual and decisional influences on the perception of hierarchical forms. *Perception*, *35*, 511-529.
49. i Wenger, M. J. (2005). Models for the statistics and mechanisms of response speed and accuracy. *Psychometrika*, *70*, 383-388.
50. § Ingvalson, E. M., & Wenger, M. J. (2005). A strong test of the dual mode hypothesis. *Perception & Psychophysics*, *67*, 14-35.
51. Wenger, M. J., & Gibson, B. S. (2004). Using hazard functions to assess changes in processing capacity in an attentional cuing paradigm. *Journal of Experimental Psychology: Human Perception and Performance*, *30*, 708-719.
52. i Townsend, J. T., & Wenger, M. J. (2004). The serial-parallel dilemma: A case study in a linkage of theory and method. *Psychonomic Bulletin & Review*, *11*, 391-418.
53. Townsend, J. T., & Wenger, M. J. (2004). A theory of interactive parallel processing: New capacity measures and predictions for a response time inequality series. *Psychological Review*, *111*, 1003-1035.
54. § Wenger, M. J., & Ingvalson, E. M. (2003). Preserving informational separability and violating decisional separability in facial perception and recognition. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *29*, 1106-1118.
55. § Wenger, M. J., & Ingvalson, E. M. (2002). A decisional component of holistic encoding. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *28*, 872-892.

56. Wenger, M. J., & Townsend, J. T. (2000). Spatial frequencies in short-term memory for faces: A test of three frequency-dependent hypotheses. *Memory & Cognition*, *28*, 125-142.
57. i Wenger, M. J. & Townsend, J. T. (2000). Basic response time tools for studying general processing capacity in attention, perception, and cognition. *Journal of General Psychology*, *127*, 67-99.
58. f, i Townsend, J. T., Silva, K., Spencer-Smith, J., & Wenger, M. J. (2000). Exploring the relations among categorization and decision with regards to realistic face stimuli. *Pragmatics and Cognition*, *8*, 83-105.
59. Wenger, M. J. (1999). On the whats and hows of retrieval in the acquisition of a simple skill. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *25*, 1137-1160.
60. Wenger, M. J., & Payne, D. G. (1997). Cue integration across encoding and retrieval conditions: Implications for the study of retrieval processes. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *23*, 102-122.
61. Wenger, M. J., & McKinzie, D. L. (1996). Ontogenetic differences in variability on simple measures of learning: Theoretical and practical implications. *Developmental Psychobiology*, *29*, 219-240.
62. Wenger, M. J., & Payne, D. G. (1996). Comprehension and retention of nonlinear text: Considerations of working memory and material-appropriate processing. *American Journal of Psychology*, *109*, 93-130.
63. Wenger, M. J., & Payne, D. G. (1996). Human information processing correlates of reading hypertext. *Technical Communication*, *43*, 51-60.
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Reviews and commentaries

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Presentations

1. § Wenger, M. J., Townsend, J. T., & Newbolds, S. F. (2024). Support for and application of a measure of neural efficiency in visual processing. Poster to be presented at the annual meeting of the Vision Sciences Society, May 2024, St. Pete's Beach, FL.
2. § Wenger, M. J., Dungan, M. P., De Stefano, L. A., & Rhoten, S. E. (2023). Iron deficiency results in changes to brain activity that persist over learning. Poster presented at the Annual Meeting of the Society for Neuroscience, November, 2023, Washington, DC.
3. § Barnett, A. L., Wenger, M. J., Boozary, L. K., & Newbolds, S. F. (2023). Levels of blood iron are positively related to levels of cognitive performance in women at the menopausal transition. Poster presented at the Annual Meeting of the Society for Neuroscience, November, 2023, Washington, DC.
4. § Wenger, M. J., Newbolds, S. F., & Barnett, A. L. (2023). Assessing the pattern electroretinogram as a proxy measure for dopamine in the context of iron deficiency. Poster presented at Nutrition 2023, Annual Meeting of the American Society for Nutrition, July, 2023, Boston, MA.
5. § Barnett, A. L., Yunus, F., Chowdhury, J., Wenger, M. J., & DellaValle, D. M. (2023). The effect of iron fortification of lentils on blood and cognitive status among adolescent girls in Bangladesh. Poster presented at Nutrition 2023, Annual Meeting of the American Society for Nutrition, July, 2023, Boston, MA.
6. § Edwards S., Zhang F., Wenger M. J., Kuan-Celarier A., Walker J., Yuan H. (2023). Treatment-related cognitive impairment and neurovascular coupling in cancer patients. Talk presented at the Annual Cancer Research Symposium, Stephenson Cancer Center, March 10, Oklahoma City OK.
7. § Wenger, M. J., Newbolds, S. F., Boozary, L. K., & Barnett, A. L. (2023). The Pattern electroretinogram as an indirect measure of central dopamine. Poster presented at the 2023 Meeting of the Vision Sciences Society, May, 2023, St. Pete's Beach, FL.
8. § Ak, A., Wenger, M. J., Townsend, J. T., & Newbolds, S. F. (2023). The Sequential categorization identification paradigm: A New paradigm for combined inferences. Poster presented at the 2023 Meeting of the Vision Sciences Society, May, 2023, St. Pete's Beach, FL.
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11. § Lue, J. C., Newbolds, S. F., Boozary, L. K., Barnett, A. L., Rice, J. D., Wenger, M. J., & Day, E. A. (2023) A pilot study using EEG to distinguish processes underlying complex skill learning. Poster to be presented at the 2023 Southwestern Psychological Association Convention, March, 2023, Frisco, TX.

12. ϕ Wenger, M. J., Townsend, J. T., De Stefano, L. A., & Liu, Y. (2022). Configurality in a classical illusion as uncovered by general recognition theory and systems factorial theory. Paper presented at the Annual Meeting of the Configural Processing Consortium, November, 2022, Boston, MA.
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18. ϕ Boozary, L., De Stefano, L. A., Morgan, M. M., Barnett, A. L., Kendzor, D. E., & Wenger, M. J. (2022). Does neural activation mediate the relationship between iron status and smoking cessation? ERP evidence from the Probabilistic Selection Task (PST). Poster presented at the Oklahoma Conference for Statistics, Biostatistics, and Data Science, Oklahoma Chapter of the American Statistical Association, October, 2022, Oklahoma City OK.
19. ϕ Cupp, M., Jamshed, H., Pruitt, T., & Wenger, M. J. (2021). Sensitivity of the pattern electroretinogram to variations in central dopamine in humans: A systematic review. Poster presented at the 2021 Annual Meeting of the Society for Neuroscience, November, 2021, Chicago IL.
20. ϕ Wenger, M. J., De Stefano, L. A., Rhoten, S. E., Boozary, L., & Barnett, A. L. (2021). Neural activity quickly and accurately differentiates iron deficient from iron sufficient women early in visual category learning. Virtual poster presented at Society for Neuroscience Global Connectome, 11 January 2021.
21. ϕ Wenger, M. J., Rhoten, S. E., De Stefano, L. A., Barnett, A., & Boozary, L. (2020). Brain activity quickly and accurately distinguishes iron-sufficient from iron deficient non-anemic college-aged women while learning a visual categorization task. Paper presented at the Annual Meeting of the Vision Sciences Society, St. Pete's Beach FL, 19 May 2020.
22. ϕ Wenger, M. J., Rhoten, S. E., & De Stefano, L. A. (2020). Brain activity quickly and accurately distinguishes iron-sufficient from iron deficient non-anemic college-aged women while learning a categorization task. Paper presented at the Annual Meeting of the American Society for Nutrition, Seattle WA, May 2020.
23. ϕ Wenger, M. J., Barnett, A., De Stefano, L. A., & Boozary, L. (2020). Age- and race- adjusted percentiles of serum ferritin predict cognitive performance in peri-menopausal women. Paper presented at the Annual Meeting of the American Society for Nutrition, Seattle WA, May 2020.
24. ϕ Wenger, M. J., Boozary, L. De Stefano, L. A., Barnett, A., & Kendzor, D. (2020). Variations in iron status affect smoking cessation and cognitive performance in women. Paper presented at the Annual Meeting of the American Society for Nutrition, Seattle WA, May 2020.

25. † Li, Y., Song, H., & Wenger, M. J. (2020). Using bidirectional LSTM recurrent neural networks to study effects of iron deficiency on declarative and procedural memory systems. Paper presented at the Annual Meeting of the American Psychological Society, Chicago IL, May, 2020.
26. † Wenger, M. J. (2020). Iron deficiency, brain function, and cognition: Applications, implications, and opportunities. Invited presentation, Cognitive and Cognitive Neuroscience seminar series, Department of Psychology, Vanderbilt University, Nashville TN, January, 2020.
27. Murray-Kolb L. E., Scott S. P., Wenger M. J., Udipi S. A., Ghugre P. S., Lung'aho M. G., Boy E., & Haas J. D. (2020). The Neurobiological effects of iron: Evidence from iron biofortified interventions. Micronutrient Forum, Bangkok, Thailand, March 2020.
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29. † Liu, Y., Zhang, R., Townsend, J. T., & Wenger, M. J. (2019). An Investigation of the characteristic properties of cognitive processes with perceptually integral stimuli. Paper to be presented at the 2019 Annual Meeting of the Society for Mathematical Psychology, Montreal QC, Canada, July 2019.
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31. † De Stefano, L. A., Rhoten, S. E., Wenger, M. J., Boozary, L., Barnett, A., & Worth, T. (2018). Iron deficiency is related to altered behavior after rewards and penalties. Poster presented at the Annual Meeting of the Vision Sciences Society, St. Pete's Beach, FL, May 2019.
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33. † Wenger, M. J., De Stefano, L. A., Rhoten, S. E., & Worth, T. P. (2018). Iron deficiency and reductions in brain energy expenditure during procedural learning: Effects on instantaneous and cumulative global field power. Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego CA, November 2018.
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35. † Szybel, P., Gibson, B. S., & Wenger, M. J. (2018). Spatial representations of the visual world are not coordinate reference systems. Poster presented at the 2018 meeting of the Vision Sciences Society, St. Pete's Beach FL, May 2018.
36. † Wenger, M. J., Rhoten, S. E., Scott, S. P., Murray-Kolb, L. E., Guhutu, J-B., Boy, E., & Haas, J. D. (2018) Modeling the mediating role of brain activity in the relationship between changes in iron status and changes in cognition. Poster presented at the Annual Meeting of the American Society for Nutrition, Boston MA, June 2018.
37. † Rhoten, S. E., Wenger, M. J., Worth, T., De Stefano, L. A. (2018). The Relationship between iron status and learning and transfer of declarative and procedural memory. Poster presented at the Annual Meeting of the American Society for Nutrition, Boston MA, June 2018.

38. § De Stefano, L. A., Wenger, M. J., Rhoten, S. E., Worth, T. (2018) Iron deficiency impacts responses after rewards and penalties. Poster presented at the Annual Meeting of the American Society for Nutrition, Boston MA, June 2018.
39. § Carlson, B. W., Jones, K. R., Craft, M. A., Carlson, J. R., Deardeuff, K., Tate, L. R., Byerly, R., Ding, L., Yuan, H., Wenger, M. J., & Hershey, L. A. (2018). Memory consolidation and cerebral oxygenation during afternoon naps in older adults with amnesic mild cognitive impairment. Paper to be presented at the 32nd Annual Meeting of the Associated Professional Sleep Societies, Baltimore MD, June 2018.
40. § Wenger, M. J., & Rhoten, S. E. (2017). Converging evidence for learning-dependent changes in perceptual representation and decision-making: Combining response frequencies, response latencies, and the timing of the lateralized readiness potential. Paper presented at the 2017 meeting of the Society for Neuroscience, Washington, DC, November 2017.
41. § O’Keeffe, J., Carlson, B., DeStefano, L. A., Wenger, M. J., Craft, M., Hershey, L., Hughes, J., Wu, D., Ding, L., & Yuan, H. (2017). EEG Fluctuations of wake and sleep in mild cognitive impairment. Paper presented at the IEEE Engineering in Medicine and Biology Society meeting, Jeju Island, Korea, June 2017.
42. § Wenger, M. J., Pompano, L. M., & Haas, J. D. (2017). Attention mediates the relationship between iron status and physical performance in Chinese university women. Paper presented at the 2017 Experimental Biology meetings, Chicago, IL, April 2017.
43. § Wenger, M. J., De Stefano, L. A., Townsend, J. T., Liu, Y., & Zhang, R. (2017). Examining a shift in response bias through two lenses: A concurrent examination of process and informational characteristics. Poster presented at the 2017 meeting of the Vision Sciences Society, St. Pete’s Beach FL, May 2017.
44. § Zhang, R., Liu, Y., Townsend, J. T., Wenger, M. J., & De Stefano, L. A. (2017). A concurrent investigation of perceptual separability and process arrangement using perceptually separable stimuli. Poster presented at the 2017 meeting of the Vision Sciences Society, St. Pete’s Beach FL, May 2017.
45. § Liu, Y., Zhang, R., Townsend, J. T., Wenger, M. J., & De Stefano, L. A. (2017). An Investigation of the characteristic properties of cognitive processes with perceptually integral stimuli. Poster presented at the 2017 meeting of the Vision Sciences Society, St. Pete’s Beach FL, May 2017.
46. Townsend, J. T., & Wenger, M. J. (2016). When Tweedledee and Tweedledum Merge into Tweedledum: Using redundancy gains to infer configural superiority. Paper presented at the 2016 meeting of the Configural Processing Consortium, Psychonomic Society, Boston MA, November 2016.
47. § Altieri, N., Lentz, J. J., Townsend, J. T., & Wenger, M. J. (2016). Capacity measures of the McGurk effect for focused and divided attention. Paper presented at the 2016 meeting of the Psychonomic Society, Boston MA, November 2016.
48. § Wenger, M. J., & Rhoten, S. E. (2016). Timing of the lateralized readiness potential is consistent with analyses of behavioral reaction times: Application to perceptual learning. Poster presented at the 2016 Meeting of the Society for Neuroscience, San Diego CA, November, 2016.
49. Carlson, B. W., Wenger, M. J., Yuan, H., Hershey, L. A., Benbrook, D. M., & Carlson, J. R. (2016). Cerebral oxygenation during afternoon naps and memory consolidation in adults with amnesic MCI. Paper presented at the 2016 Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA, November 2016.
50. § Liu, Y., Abdolvahab, M., Townsend, J. T., Wenger, M. J., & DeStefano, L. (2016). An empirical examination of perceptual integrality with both non-parametric and parametric methods. Poster presented at the 2016 Meeting of the Vision Sciences Society, St. Pete’s Beach FL, May 2016.

51. † Abdolvahab, M., Liu, Y., Townsend, J. T., Wenger, M. J., & DeStefano, L. (2016). Response time evidence for perceptual separability of stimulus dimensions. Poster presented at the 2016 Meeting of the Vision Sciences Society, St. Pete's Beach FL, May 2016.
52. † Wenger, M. J., DeStefano, L., Townsend, J. T., Abdolvahab, M., & Liu, Y. (2016). Exploring the effects of decisional bias on perceptual process characteristics in the context of a visual illusion. Poster presented at the 2016 Meeting of the Vision Sciences Society, St. Pete's Beach FL, May 2016.
53. † Scott, S. P., Murray-Kolb, L. E., Wenger, M. J., Luna, S. V., Udipi, S. A., Ghugre, P., & Haas, J. D. (2016). Consumption of iron-biofortified pearl millet improves cognitive performance in Indian adolescents. Poster presented Nutrition and Child Development: Through the lens of iron, College of Human Growth and Development, University of Michigan, Ann Arbor MI, June 2016.
54. † Hershey, L., Carlson, C., Jones, K., Wenger, M. J., & Carlson, J. (2016). Severity of sleep disordered breathing in amnesic MCI and in the MCI preceding dementia with Lewy Bodies. Paper presented at the 2016 meeting of the American Academy of Neurology, Vancouver BC, April 2016.
55. † Wenger, M. J., Carlson, B. W., De Stefano, L. A., Butler, K. K., Curran, K. A., Daji, S. K., Mooney, E. H., Hershey, L. A., & Carlson, J. R. (2016). Effects of iron levels and cerebral oxygenation on free and cued recall in elders with mild cognitive impairment. Poster presented at the 2016 Experimental Biology Meetings, San Diego, CA, April 2016.
56. † Wenger, M. J., Rhoten, S. E., Scott, S. P., Murray-Kolb, L. E., Lung'aho, M. G., Gahutu, J. B., & Haas, J. D. (2016). Improvements in electrophysiological measures of brain function during memory processing in Rwandan women consuming iron biofortified beans. Poster presented at the 2016 Experimental Biology Meetings, San Diego, CA, April 2016.
57. † Craft, M., Carlson, B., Wenger, M., Friedman, J., Benbrook, D., Razaq, W., Carlson, J., Curran, K., & Crudden, G. (2016). Descriptive study of cognitive disturbances in older breast cancer survivors. Paper presented at the Midwest Nursing Research Society, Milwaukee, WI, March, 2016.
58. † Rhoten, S. E., De Stefano, L. A., Curran, K. A., Toftely, S. M., Wetmore, S. A., Gronlund, S. D., & Wenger, M. J. (2015). The Components of episodic memory: Connecting human behavior and electrophysiology to a rodent model. Poster presented at the 2015 meeting of the Psychonomic Society, Chicago, IL, November, 2015.
59. † Wenger, M. J., & Rhoten, S. E. (2015). Perceptual learning for detection of multiple features produces non-independent processing: Behavioral and neurophysiological evidence. Poster presented at the 2015 meeting of the Society for Neuroscience, Chicago, IL, October, 2015.
60. † Wenger, M. J., & Rhoten, S. E. (2015). Perceptual learning for multiple features: Neural correlates of changes in RT-based measures of processing dependencies. Poster presented at the 2015 meeting of the Vision Sciences Society, St. Pete's Beach FL, May, 2015.
61. † Abdolvahab, M., Liu, Y., Wenger, M. & Townsend, J. (2015). The effects of reward structure on violations of decisional separability in a perceptual identification task. Paper presented at the Fifth Midwest Cognitive Science Conference, Mackinaw City, MI, USA.
62. † Wenger, M. J., DellaValle, D. M., Todd, L. E., & Haas, J. D. (2015). Measuring perception and cognition in the context of iron deficiency: A comparison of three approaches. Poster presented at the 2015 Experimental Biology meetings, Boston, MA, March, 2015.
63. † Wenger, M. J., Tate, L. R., Murray-Kolb, L. E., & Haas, J. D. (2015). Predicting iron-dependent changes in energy expenditure from changes in EEG power as a function of cognitive workload. Poster presented at the 2015 Experimental Biology meetings, Boston, MA, March, 2015.
64. † Wenger, M. J., Rhoten, S. E., Scott, S. P., Murray-Kolb, L. E., . Lung'aho, M., Gahutu, J. B., & Haas, J. D. (2015). Effects of consuming an iron-biofortified bean on behavioral and electrophysiological measures of attentional function. Poster presented at the 2015 Experimental Biology meetings, Boston, MA, March, 2015.

65. § Wenger, M. J., Rhoten, S. E., Scott, D. P., Murray-Kolb, L. E., & Haas, J. D. (2015). Examining the causal effects of iron status on brain and attentional functioning using structural equation modeling. Poster presented at the 2015 Experimental Biology meetings, Boston, MA, March, 2015.
66. § Wenger, M. J., & Rhoten, S. E. (2014). Changes in neural activity accompany changes in perceptual sensitivity and bias in visual perceptual learning. Poster presented at the 2014 meeting of the Society for Neuroscience, Washington, DC, November, 2014.
67. § Tate, L. R., Wenger, M. J., Murray-Kolb, L. E., & Haas, J. D. (2014). Iron deficiency modulates behavioral, physiological, and cortical responses to variations in perceptual workload. Poster presented at the 2014 meeting of the Society for Neuroscience, Washington, DC, November, 2014.
68. §, i Scott, S. P., Murray-Kolb, L. E., Finkelstein, J., Mehta, S., Wenger, M. J., Udipi, S., Ghugre, P., Luna, S. V., Przybyszewski, E., & Haas, J. D. (2014). Findings from a 6-month efficacy trial in Maharashtra involving iron-biofortified pearl millet: Impact on iron status and physical performance. Paper presented at the 2nd International Workshop on Micronutrients and Child Health, Delhi, India, November, 2014.
69. § Scott, S. P., Murray-Kolb, L. E., Wenger, M. J., Udipi, S., Gughre, P., Finkelstein, J., Mehta, S., & Haas, J. D. (2014). Relating iron intake to iron status and cognitive functioning: Results from a 6-month efficacy trial involving biofortified pearl millet in India. Paper presented at the 2014 Micronutrient Forum, Addis-Ababa, Ethiopia, June 2014.
70. § Wenger, M. J., Scott, S. P., Murray-Kolb, L. E., Cooper, E., Gughre, P., Udipi, S., & Haas, J. D. (2014). Changes in brain dynamics as a function of changes in body iron status: effects on attentional function in Indian adolescents following consumption of iron-biofortified pearl millet. Paper presented at the 2014 Experimental Biology Meetings, San Diego, CA, April 2014.
71. § Scott, S. P., Murray-Kolb, L. E., Wenger, M. J., Udipi, S., Ghugre, P., & Haas, J. D. (2014). Iron-biofortified pearl millet improves attentional function in Indian adolescents, a 6-month randomized controlled trial. Poster presented at the 2014 Experimental Biology Meetings, San Diego, CA, April 2014.
72. § Rhoten, S. E., Wenger, M. J., Murray-Kolb, L. E., Gahutu, J-B., Lung'aho, M., & Haas, J. D. (2014). Brain dynamics and attentional control as a function of body iron status. Poster presented at the 2014 Experimental Biology Meetings, San Diego, CA, April 2014.
73. § Murray-Kolb, L. E., Wenger, M. J., Scott, S. P., Rhoten, S. E., Lunh'aho, M. G., Gahutu, J-B., & Haas, J. D., (2014). Effects of iron status on attentional functioning in young Rwandan women. Poster presented at the 2014 Experimental Biology Meetings, San Diego, CA, April 2014.
74. § Haas, J. D., Luna, S. V., Lung'aho, M. G., Ngabo, F., Wenger, M. J., Murray-Kolb, L. E., Beebe, D., Gahutu, J-B., & Egli, I. M. (2014). Iron biofortified beans improve iron status in Rwandan University women: results of a feeding trial. Poster presented at the 2014 Experimental Biology Meetings, San Diego, CA, April 2014.
75. § Wenger, M. J., & Rhoten, S. E. (2014). Perceptual learning for the detection of multiple features: Neural correlates of changes in sensitivity and bias. Poster presented at the 2014 meeting of the Vision Sciences Society, St. Pete's Beach, FL, May 2014.
76. Wenger, M. J., Murray-Kolb, L. E., & Haas, J. D. (2013). Energy expended in encoding and retrieval in a visual memory task: Interactive effects of workload and body iron status. Poster presented at the 2013 meeting of the Vision Sciences Society, Naples, FL, May 2013.
77. § Meneer, T., Wenger, M. J. & Blaha, L. (2013). Probit analysis for multidimensional signal detection: An evaluation and comparison with standard analyses. Poster presented at the 2013 meeting of the Vision Sciences Society, Naples, FL, May 2013.

78. *i* Wenger, M. J. (2013). Characterizing and quantifying human bandwidth: Applications of the construct of capacity. *Mathematical Models of Perception & Cognition: Essays in Honor of James T. Townsend*, Bloomington IN, April 2013.
79. Wenger, M. J., Murray-Kolb, L. E., & Haas, J. D. (2013). Variations in body iron status determine variations in body energy expenditure and brain dynamics as a function of perceptual and cognitive workload. Poster presented at the 2013 Experimental Biology Meetings, Boston MA, April 2013.
80. ϕ Wenger, M. J., Scott, S. P., Murray-Kolb, L. E., Ghugre, P., Udipi, S., & Haas, J. D. (2013). Brain dynamics as a function of iron status: Relating electroencephalographic (EEG) patterns and body iron measures in Indian adolescents. Poster presented at the 2013 Experimental Biology Meetings, Boston MA, April 2013.
81. ϕ Scott, S. P., Murray-Kolb, L. E., Wenger, M. J., Udipi, S., Ghugre, P. & Haas, J. D. (2013). Separating the effects of iron and anemia status on cognitive function in Indian adolescents. Poster presented at the 2013 Experimental Biology Meetings, Boston MA, April 2013.
82. Wenger, M. J., Murray-Kolb, L. E., & Haas, J. D. (2012). Using EEG to examine brain energy expenditure in the context of variations in mental workload and body iron status. Poster presented at the 2012 Meeting of the Society for Neuroscience, New Orleans LA, October 2012.
83. Wenger, M. J., Murray-Kolb, L. E., & Haas, J. D. (2012). Brain energy expenditure as a function of cognitive workload and body iron status. Paper presented at the 2012 Meeting of the Psychonomic Society, Minneapolis MN, November 2012.
84. ϕ Hammons, J. E., Wenger, M. J., Murray-Kolb, L. E., Venkatramanan, S., & Haas, J. D. (2012). Perceptual and cognitive performance in Indian female tea-pluckers are improved with iron-fortified salt. Poster presented at the 2012 Meeting of the Vision Sciences Society, Naples FL, May 2012.
85. ϕ Altieri, N., & Wenger, M. J. (2012). Evidence for high-level influences and changes in decision criteria on low- level visual perceptual learning. Poster presented at the 2012 Meeting of the Vision Sciences Society, Naples FL, May 2012.
86. ϕ Wenger, M. J., Thomas, R. D., & Altieri, N. (2012). Applying multidimensional signal detection models of the uncertainty task: As example using face recognition. Poster presented at the 2012 Meeting of the Vision Sciences Society, Naples FL, May 2012.
87. ϕ Meneer, T., Mestry, N., Wenger, M. J., & Donnelly, N. (2012). Tests for configural processing in the Thatcher illusion. Poster presented at the 2012 Meeting of the Vision Sciences Society, Naples FL, May 2012.
88. *i* Wenger, M. J. (2012). Novel applications of cognitive function in evaluation of nutritional interventions. Paper presented at the 2012 Experimental Biology Meeting, San Diego CA, April 2012.
89. ϕ Wenger, M. J., Murray-Kolb, L. E., Hammons, J. E., Venkatramanan, S., & Haas, J. D. (2012). Improvements in perceptual and cognitive performance linked to baseline iron status and consumption of a double-fortified salt. Paper presented at the 2012 Experimental Biology Meeting, San Diego CA, April 2012.
90. ϕ Hammons, J. E., Wenger, M. J., Robertson, S. S., & Haas, J. D. (2012). How Does Iron Deficiency Affect Infant Memory? A model of brain networks and the physiological effects of iron deficiency. Paper presented at the 2012 Experimental Biology Meeting, San Diego CA, April 2012.
91. ϕ Rhee, J., Lovenheim, M., Wenger, M. J., Venkatramanan, S., Przybyszewski, E., & Haas, J. D. (2012). Effect of iron deficiency on worker productivity through production function intermediates. Poster presented at the 2012 Experimental Biology Meeting, San Diego CA, April 2012.
92. ϕ Scott, S. P., Wenger, M. J., Murray-Kolb, L. E., Udipi, S. A., Ghugre, P. S., Boy, E., & Haas, J. D. (2012). Relations between iron status and cognitive measures in Indian adolescents. Poster presented at the 2012 Experimental Biology Meeting, San Diego CA, April 2012.

93. ϕ Venkatramanan, S., Marquis, G. S., Neufeld, L., Murray-Kolb, L. E., Wenger, M. J., Reinhart, G. A., & Haas, J. D. (2012). Does improving the iron status with double fortified salt affect nutrient intakes of women tea plantation workers in West Bengal, India? Poster presented at the 2012 Experimental Biology Meeting, San Diego CA, April 2012.
94. ϕ Wenger, M. J., Scott, S. P., Hammons, J. E., Haas, J. D., & Murray-Kolb, L. E. (2011). Modeling the hypothesized brain mechanisms of iron depletion and repletion. Poster presented at the 2011 Meeting of the Society for Neuroscience, Washington DC, November 2011.
95. ϕ Von Der Heide, R. J., Wenger, M. J., Bittner, J. L., & Fitousi, D. (2011). Holistic face processing in the human brain: Evidence for perceptual and decisional sources of the composite face effect. Poster presented at the 2011 Meeting of the Society for Neuroscience, Washington DC, November 2011.
96. ϕ Wenger, M. J., Hammons, J. E., Scott, S., Haas, J. D., & Murray-Kolb, L. E. (2011). Modeling the relationships between iron and behavior in the context of iron depletion and repletion. Paper presented at the 2011 Meeting of the Society for Mathematical Psychology, Medford MA, July 2011.
97. ϕ Wenger, M. J., Murray-Kolb, L. E., Hammons, J. E., Venkatramanan, S. & Haas, J. D. (2011). An analytic assessment of the effects of dietary iron repletion on perceptual and cognitive performance. Poster presented at the 2011 Meeting of the Vision Sciences Society, Naples FL, May 2011.
98. ϕ Von Der Heide, R. J., Wenger, M. J., Gilmore, R. O., & Elbich, D. B. (2011). Developmental changes in encoding and the capacity to process face information. Poster presented at the 2011 Meeting of the Vision Sciences Society, Naples FL, May 2011.
99. ϕ Wenger, M. J., Murray-Kolb, L. E., Hammons, J. E., Venkatramanan, S. & Haas, J. D. (2011). Analytic measures of perceptual and cognitive performance in assessing effects of dietary iron repletion. Poster presented at the 2011 Experimental Biology Meeting, Washington DC, April 2011.
100. ϕ Murray-Kolb, L. E., Wenger, M. J., Venkatramanan, S. Marquis, G., Wesley, A. S., & Haas, J. D. (2011). Effects of double-fortified salt on perceptual and cognitive performance in women. Poster presented at the 2011 Experimental Biology Meeting, Washington DC, April 2011.
101. Murray-Kolb, L. E., Wenger, M. J., & Yang, Q. (2011). Neurophysiological consequences of iron deficiency. Poster presented at the 2011 Experimental Biology Meeting, Washington DC, April 2011.
102. ϕ Haas, J. D., Venkatramanan, S., Marquis, G., Murray-Kolb, L. E., Wenger, M. J., & Wesley, A. S. (2011). Double-fortified salt improves iron status of female Indian tea pluckers. Poster presented at the 2011 Experimental Biology Meeting, Washington DC, April 2011.
103. ϕ Wenger, M. J., Hammons, J. E., Murray-Kolb, L. E., Venkatramanan, S., & Haas, J. D. (2011). Modeling the relationships between brain iron and behavior: Neurophysiological mechanisms for functional changes in the context of iron depletion and repletion. Poster presented at the 2011 Computational and Systems Neuroscience Meeting, Salt Lake City UT, February 2011.
104. ϕ Wenger, M. J., Von Der Heide, R. J., Bittner, J. L., & Fitousi, D. (2010) The behavioral neuroscience of perceptual and decisional aspects of performance in the composite face task. Paper presented at the 2010 Meeting of the Society for Neuroscience, San Diego CA, November 2010.
105. *i* Wenger, M. J. (2010). Memory, bias, and sensitivity in basic perceptual processing. Paper presented at the Special Symposium on Philosophy and Psychology, Department of Psychology, Cornell University, Ithaca NY, September 2010.
106. *i* Wenger, M. J. (2010). Issues in deploying theoretically-analytic laboratory tasks in the field: Two examples. Paper presented to the Multiple Sclerosis Working Group, Vertex Pharmaceuticals, Boston MA, September 2010.
107. ϕ Wenger, M. J., Von Der Heide, R. J., Bittner, J. L., & Fitousi, D. (2010). Increases in perceptual capacity as a function of perceptual learning: Behavioral regularities and possible neural mechanisms. Poster presented at the 2010 Meeting of the Vision Sciences Society, Naples FL, May 2010.

108. § Menneer, T., Wenger, M. J., & Blaha, L. J. (2010). Inferential challenges for general recognition theory: Mean-shift integrality and perceptual configularity. Poster presented at the 2010 Meeting of the Vision Sciences Society, Naples FL, May 2010.
109. § Von Der Heide, R. J., Wenger, M. J., Bittner, J. L., & Fitousi, D. (2010). The composite face effect: possible roles and evidence for perceptual and decisional factors. Poster presented at the 2010 Meeting of the Vision Sciences Society, Naples FL, May 2010.
110. § Bittner, J. L., Wenger, M. J., Von Der Heide, R. J. & Fitousi, D. (2010). The role of learning in the perceptual organization of a face. Poster presented at the 2010 Meeting of the Vision Sciences Society, Naples FL, May 2010.
111. § Richards, H. J., Benson, V., Hadwin, J., Wenger, M. J., & Donnelly, N. (2010). Exploring the relationship between anxiety and processing capacity for threat detection. Poster presented at the 2010 Meeting of the Vision Sciences Society, Naples FL, May 2010.
112. § Fitousi, D., Wenger, M. J., Von Der Heide, R. J., & Bittner, J. L. (2010). Attentional weighting in configural face processing. Poster presented at the 2010 Meeting of the Vision Sciences Society, Naples FL, May 2010.
113. § Wenger, M. J., & Von Der Heide, R. J. (2010). Models for the mechanisms of perceptual learning: Linking predictions for brain and behavior. Poster presented at the 2010 Computational and Systems Neuroscience (COSYNE) meeting, Salt Lake City UT, February, 2010.
114. § Wenger, M. J. (2009). Modeling the acquisition of a configural percept. Paper presented at the 2009 meeting of the Configural Processing Consortium, Tufts University, Medford MA, November, 2009.
115. § Wenger, M. J., Von Der Heide, R. J., Bittner, J. L., & Fitousi, D. (2009). Relating changes in processing capacity to changes in electrophysiological variables in visual perceptual learning. Poster presented at the 2009 meeting of the Society for Neuroscience, Chicago, IL, October, 2009.
116. § Menneer, T., Wenger, M. J., & Blaha, L. (2009). Multiple methods of modeling and detecting perceptual and cognitive configularity. Poster presented at the International Conference on Cognitive Modeling, Manchester UK.
117. § Bittner, J. L., Wenger, M. J., Von Der Heide, R. J., & Fitousi, D. (2009). From illusory contours to faces: A first step in relating foundational characteristics of perceptual organization. Poster presented at the 2009 Vision Sciences Society meeting, Naples, FL, May, 2009.
118. § Fitousi, D., Wenger, M. J., Von Der Heide, R. J., & Bittner, J. L. (2009). Varieties of perceptual independence in the processing of facial identity and expression. Poster presented at the 2009 Vision Sciences Society meeting, Naples, FL, May, 2009.
119. § Menneer, T., Silbert, N., Cornes, K., Wenger, M. J., Townsend, J. T., & Donnelly, N. (2009). Contrasting methods of model estimation for configural and holistic perception. Poster presented at the 2009 Vision Sciences Society meeting, Naples, FL, May, 2009.
120. *i* Wenger, M. J. (2009). Experience-dependent changes in capacity: Behavior and brain states. Invited talk, University of Western Ontario, London, Ontario, 13 March 2009.
121. § Wenger, M. J., Blaha, L., Townsend, J. T. & Von Der Heide, R. J. (2009). Experience-dependent changes in capacity: Behavior and brain states. Poster presented at the 2009 Computational and Systems Neuroscience (COSYNE) meeting, Salt Lake City, UT, February, 2009.
122. *i* Wenger, M. J. (2008). Configularity and capacity: Measures of brain and behavior. Invited presentation, Configural Processing Consortium, University of Notre Dame, South Bend, IN, November, 2008.

123. Wenger, M. J., Negash, S., Petersen, R. C., & Petersen, L. (2008). Modeling and estimating recall processing capacity: sensitivity and diagnostic utility in application to mild cognitive impairment. Poster presented at the 2008 meeting of the Society for Neuroscience, Washington, DC, November, 2008.
124. † Halpern, A. R., Wenger, M. J., & Eroh, J. (2008). Time-course of ERP differences between musicians and non-musicians in major-minor classification of melodies. Poster presented at the 2008 Meeting of the Psychonomic Society, Chicago, IL, November, 2008.
125. † Von Der Heide, R. J., Wenger, M. J., Gilmore, R., Howarth, J., Sullivan, B. M., & Bittner, J. L. (2008). Age-related differences in processing capacity for faces. Poster presented at the 2008 Meeting of the Vision Sciences Society, Naples FL, May, 2008.
126. † Wenger, M. J., & Fitousi, D. (2008). Testing Lavie's (1995) perceptual load theory. Poster presented at the 2008 Meeting of the Vision Sciences Society, Naples FL, May, 2008.
127. † Cornes, K., Wenger, M. J., & Donnelly, N. (2008). Using general recognition theory to investigate the Thatcher illusion. Poster presented at the 2008 Meeting of the Vision Sciences Society, Naples FL, May, 2008.
128. † Sullivan, B. M., Wenger, M. J., Von Der Heide, R. J., & Bittner, J. L. (2008). The crowding effect and perceptual and decisional holism in the visual processing of faces. Poster presented at the 2008 Meeting of the Vision Sciences Society, Naples FL, May, 2008.
129. † Bittner, J., Wenger, M. J., Von Der Heide, R. J., & Sullivan, B. M. (2008). Common elements of perceptual organization: illusory contours and dimensional consistency. Poster presented at the 2008 Meeting of the Vision Sciences Society, Naples FL, May, 2008.
130. Long, L. N., Kelley, T. D., & Wenger, M. J. (2008). The prospects for creating conscious machines. Poster presented at the Center for Consciousness Studies, University of Arizona, Tuscon AZ, April, 2008.
131. † Halpern, A., Wenger, M. J., & Eroh, J. (2008). ERP differences in musicians and non-musicians in major-minor classification of melodies. Poster presented at the Neurosciences and Music VII, McGill University, Montreal, June, 2008.
132. Wenger, M. J. (2007). Changes in cortical responsiveness to contrast onsets as a function of perceptual practice. Poster presented at the 2007 Meeting of the Society for Neuroscience, San Diego CA, November, 2007.
133. † Wenger, M. J., Kapalewski, C., & Eroh, J. (2007). Tracking changes in cortical responses as a function of perceptual practice. Poster presented at the 2007 Meeting of the Vision Sciences Society, Sarasota FL, May, 2007.
134. † Bittner, J. L., Wenger, M. J., Sullivan, B. M., & Von Der Heide, R. J. (2007). Dimensional consistency effects with illusory dimensions. Poster presented at the 2007 Meeting of the Vision Sciences Society, Sarasota FL, May, 2007.
135. † Von Der Heide, R. J., Wenger, M. J., Gilmore, R., Walsh, M., Sullivan, B. M., & Bittner, J. L. (2007). Developmental changes in the capacity to process faces. Poster presented at the 2007 Meeting of the Vision Sciences Society, Sarasota FL, May, 2007.
136. † Sullivan, B. M., Wenger, M. J., Bittner, J. L., & Von Der Heide, R. J. (2007). Holistic processing, crowding, and perceptual and decisional dependencies. Poster presented at the 2007 Meeting of the Vision Sciences Society, Sarasota FL, May, 2007.
137. † Halpern, A., Eroh, J., & Wenger, M. J. (2007). ERP differences in musicians and non-musicians in major-minor classification of melodies. Poster presented at Penn State Neuroscience Days, University Park PA, October 2007.

138. *i* Wenger, M. J. (2006). Capacity vs. speed in identifying mild cognitive impairment: Potential diagnostic utility. Invited seminar, Penn Sate College of Medicine Neuroscience Seminar Series, Hershey, PA, December, 2006.
139. *i* Wenger, M. J. (2006). Decisional factors in configural processing. Invited presentation, Configural Processing Consortium, Rice University, Houston TX, November, 2006.
140. ϕ Wenger, M. J., Bittner, J. L., Sullivan, B. M., & Von Der Heide, R. J. (2006). Perceptual and decisional effects in perceptual learning. Paper presented at the 2006 Meeting of the Psychonomic Society, Houston TX, November, 2006.
141. ϕ Wenger, M. J., Bittner, J. L., Von Der Heide, R. J., & Sullivan, B. M. (2006). Modeling inner and outer psychophysics: An application to visual perceptual learning. Paper presented at the IEEE/NLM Life Science Systems and Applications Workshop, National Library of Medicine, Bethesda MD, July 2006.
142. *i* Wenger, M. J. (2006). Why bias is not (necessarily) a four-letter word. Invited presentation, American Psychological Association Division 3, New Orleans, LA, August, 2006.
143. ϕ Wenger, M. J., Bittner, J. L., & Von Der Heide, R. J. (2006). Distinguishing sensory from perceptual bias in perceptual learning for contrast detection: What is and is not learned. Paper presented at the 2006 Meeting of the Vision Sciences Society, Sarasota, FL, May, 2006.
144. ϕ Richler, J. J., Gauthier, I., Wenger, M. J., & Palmeri, T. J. (2006). Holistic processing of faces: Bridging paradigms. Poster presented at the 2006 Meeting of the Vision Sciences Society, Sarasota, FL, May, 2006.
145. *i* Wenger, M. J. (2006). Decisional influences in perceptual organization and perceptual skill. Invited tutorial presentation, Indiana University, Bloomington, IN, April, 2006.
146. ϕ Wenger, M. J., & Rasche, C. (2005). Bias in an unbiased land? Criterion shifts in perceptual learning using two-interval two-alternative forced-choice staircase procedure. Poster presented at the 2005 Meeting of the Vision Sciences Society, Sarasota, FL.
147. *i* Wenger, M. J. (2004). Decisional influences on perceptual learning. Invited paper presented at the 2004 Purdue Winer Memorial Lecture Series, West Lafayette, IN, November, 2004.
148. Wenger, M. J. (2004). Parallel retrievals given facial cues. Paper presented at the 2004 Meeting of the Psychonomic Society, Minneapolis, MN, November, 2004.
149. ϕ Rasche, C., & Wenger, M. J. (2004). Cognitive control in perceptual learning: Data and models. Poster presented at the 2004 Object Perception and Memory Conference, Minneapolis, MN, November, 2004.
150. ϕ Rasche, C., & Wenger, M. J. (2004). A biophysical model of the signal detection process. Paper presented at the 37th Annual Meeting of the Society for Mathematical Psychology, University of Michigan, Ann Arbor, MI, July 2004.
151. ϕ Rasche, C., & Wenger, M. J. (2004). Changes in decisional criteria and bias during perceptual learning. Poster presented at the 2004 Meeting of the Vision Sciences Society, Sarasota, FL.
152. ϕ Wenger, M. J., & Copeland, A. M. (2003). From encoding to retention to recognition. Poster presented at the 2003 Meeting of the Psychonomic Society, Vancouver, BC, November 2003.
153. *i* Wenger, M. J. (2003). Gestures as psychophysical judgments. Invited presentation, Department of Psychology, Miami University of Ohio, Oxford, OH, September 2003.
154. ϕ Wenger, M. J., & Copeland, A. M. (2003). Contrasting methods of parameter estimation for linear dynamic systems models. Paper presented at the 36th Annual Meeting of the Society for Mathematical Psychology, Weber State University, Ogden, UT, July 2003.

155. § Maglio, P. P., Wenger, M. J., & Copeland, A. M. (2003). The benefits of epistemic action outweigh the costs. Paper presented at the 2003 Meeting of the Cognitive Science Society, Boston, MA.
156. § Wenger, M. J., Schuster, C., & Copeland, A. M. (2003). Dynamic models for encoding, retention, and recognition. Paper presented at the Notre Dame Series for Quantitative Methodologies: Data Analytic Techniques for Dynamical Systems, May 31, 2003, Notre Dame, IN.
157. § Copeland, A. M., & Wenger, M. J. (2003). Investigating perceptual and decisional mechanisms for the dynamics of perceptual learning: Theory, models, and data. Poster presented at the 2003 Meeting of the Vision Sciences Society, Sarasota, FL.
158. *i* Wenger, M. J. (2003). On the possibility of parallel retrievals: Modeling and testing the alternatives. Poster presented at the Fourth Tsukuba International Conference on Memory, Tsukuba, Japan, January, 2003.
159. § Wenger, M. J., & Copeland, A. M. (2002). Developing a dynamic model for holistic and analytic perception. Paper presented at the 2002 Meeting of the Psychonomic Society, Kansas City, MO, November, 2002.
160. Wenger, M. J., Schuster, C., & Townsend, J. T. (2002). Testing capacity hypotheses: Applying proportional hazards and frailty models. Paper presented at the 35th Annual Meeting of the Society for Mathematical Psychology, Miami University, Oxford OH, June 25-28, 2002.
161. § Copeland, A. M., & Wenger, M. J. (2002). Dimensional consistency effects: A dynamic cross-correlational modeling approach. Paper presented at the 35th Annual Meeting of the Society for Mathematical Psychology, Miami University, Oxford OH, June 25-28, 2002.
162. § Ingvalson, E. M., & Wenger, M. J. (2002). A strong test of the dual-mode hypothesis. Paper presented at the 35th Annual Meeting of the Society for Mathematical Psychology, Miami University, Oxford OH, June 25-28, 2002.
163. Maglio, P. P., & Wenger, M. J. (2002). On the potential of epistemic actions for self-cuing: Multiple orientations can prime 2D shape recognition and use. Paper presented at the 24th Annual Meeting of the Cognitive Science Society, George Mason University, Fairfax VA, August 8-10 2002.
164. Wenger, M. J., & Schuster, C. (2002). Application of Proportional Hazards Models to Response Time Data. Paper presented at the Notre Dame Series on Quantitative Methodologies, May, 2002, Notre Dame IN.
165. Wenger, M. J. (2002). Part-set cuing: The information and processes of retrieval. Paper presented at the 74th Annual Meeting of the Midwestern Psychological Association, Chicago IL, May 2-4 2002.
166. § Copeland, A. M., Wenger, M. J., & Maglio, P. (2002). Mnemonic and perceptual sources for the benefits of epistemic actions. Paper presented at the 74th Annual Meeting of the Midwestern Psychological Association, Chicago IL, May 2-4 2002.
167. § Copeland, A. M., & Wenger, M. J. (2002). Decisional and perceptual influences in the perception of consistent forms: Extending the evidence. Paper presented at the Buckeye (Hoosier) Mental Life, Ohio State University, Columbus OH, April 6-7, 2002.
168. § Ingvalson, E. M., & Wenger, M. J. (2002). Determining the role of featural and configural information in facial recognition. Paper presented at the Buckeye (Hoosier) Mental Life, Ohio State University, Columbus OH, April 6-7, 2002.
169. Wenger, M. J. (2001). Dynamics of dual retrievals: Some initial models and data. Paper presented at the Purdue University Mini-conference on Mathematical Psychology, West Lafayette, IN, November 10-11, 2001.
170. Wenger, M. J., Schuster, C., & Townsend, J. T. (2001). The role of capacity in organized perception. Paper presented at the 2001 Meeting of the Psychonomic Society, Orlando FL.

171. § Hill, A. M., & Wenger, M. J. (2001). Processing efficiency of forms with consistent vs. inconsistent dimensions. Poster presented at the 2001 Annual Meeting of the American Psychological Society, Toronto, Ontario, Canada.
172. § Hill, A. M., & Wenger, M. J. (2001). Decisional influences in perceptual organization: An analysis of hierarchical forms. Paper presented at the 73rd Annual Meeting of the Midwestern Psychological Association, Chicago IL.
173. § Hill, A. M., & Wenger, M. J. (2001). Decisional vs. perceptual influences affecting the processing efficiency of forms with consistent dimensions. Paper presented at the Annual Hoosier Mental Life Meeting, Bloomington IN.
174. § Klatt, S. R., & Wenger, M. J. (2001). Parallel memory retrievals are possible. Paper presented at the 73rd Annual Meeting of the Midwestern Psychological Association, Chicago IL.
175. § Klatt, S. R., & Wenger, M. J. (2001). Examining the plausibility of parallel memory retrievals. Paper presented at the 2001 Annual Meeting of the American Psychological Society, Toronto, Ontario, Canada.
176. Wenger, M. J. (2001). In and out of the academy: Objective and subjective perspectives. Invited presentation to the Graduate School, Binghamton University, Binghamton, NY, February, 2001.
177. § Wenger, M. J., Hill, A. M., & Klatt, S. R. (2001). Tachistoscopic displays with visual occlusion spectacles: An off-the-shelf system. Paper presented at the 2001 Hoosier Mental Life Meeting, Bloomington, IN.
178. § Wenger, M. J., & Ingvalson, E. M. (2000). A decisional component of holistic encoding. Poster presented at the 41st Annual Meeting of the Psychonomic Society, New Orleans, LA, November, 2000.
179. Wenger, M. J., & Townsend, J. T. (2000). Tracking capacity in object and face perception: New measures and new findings. Paper presented at the 33rd Annual Meeting of the Society for Mathematical Psychology, Kingston, ON, August, 2000.
180. § Hill, A. M., & Wenger, M. J. (2000). An initial investigation of dimensional relations in the global precedence effect. Paper presented at the 33rd Annual Meeting of the Society for Mathematical Psychology, Kingston, ON, August, 2000.
181. Maglio, P. P., & Wenger, M. J. (2000). Epistemic actions may prime. Poster presented at the 2000 Meeting of the Cognitive Science Society, Philadelphia, PA, August, 2000.
182. Wenger, M. J. (2000). Mathematical and computational modeling in psychology: The specialization that isn't. Invited presentation, Annual Meeting of the Midwestern Psychological Association, Chicago IL.
183. Wenger, M. J. (2000). Mnemonic and decisional components of the holistic processing of faces. Invited presentation to the Cognitive Science Program, Indiana University at South Bend, February 2000.
184. Wenger, M. J. (2000). The aging brain and its problems. Invited presentation to the Mini-Medical School Series, South Bend Center for Medical Education, April 2000.
185. § Ingvalson, E. M., & Wenger, M. J. (2000). Mnemonic and decisional components of the holistic processing of faces. Paper presented at the 2000 Meeting of Hoosier Mental Life, University of Notre Dame, Notre Dame IN.
186. Townsend, J. T., & Wenger, M. J. (1999). Evidence monitoring theory: Foundation and experimental application. Paper presented at the 1999 Meeting of the Psychonomic Society, Los Angeles, CA.
187. Gibson, B., & Wenger, M. J. (1999). A closer look at contingent capture. Paper presented at the 1999 Meeting of the Psychonomic Society, Los Angeles, CA.

188. Wenger, M. J. (1999). An initial exploration of the holistic encoding hypothesis: Model and data. Paper presented at the 32nd Annual Meeting of the Society for Mathematical Psychology, Santa Cruz, CA.
189. Wenger, M. J. (1999). A three-point fix on retrieval processes in cognitive skill. Paper presented at the 1999 Annual Meeting of the Western Psychological Association, Irvine, CA.
190. \S Hill, A. M., & Wenger, M. J. (1999). Dimensional relations in the perception of hierarchical forms. Poster presented at the 1999 Annual Meeting of the Western Psychological Association, Irvine, CA.
191. Wenger, M. J., & Townsend, J. T. (1998). Sources of configularity in aspects of processing. Poster presented at the 1998 Meeting of the Psychonomic Society, Dallas, TX.
192. Wenger, M. J. (1998). How do you get to Carnegie Hall? The interface as an affordance for developing mathematical modelers. Paper presented at the 31st Annual Mathematical Psychology Society Meeting, Nashville, TN.
193. Townsend, J. T., & Wenger, M. J. (1998). When channels interact: Correlated linear systems and target redundancy. Paper presented at the 31st Annual Mathematical Psychology Society Meeting, Nashville, TN.
194. Townsend, J. T., Solomon, B., & Wenger, M. J. (1998). Geodesics in infinite dimensional spaces. Paper presented at the 31st Annual Mathematical Psychology Society Meeting, Nashville, TN.
195. Townsend, J. T., & Wenger, M. J. (1998). Correlated dynamic linear accumulators with Gaussian noise: Initial predictions for target redundancy. Paper presented at the Meeting of the International Psychophysical Society, Quebec, Canada.
196. \S Liu, Q. & Wenger, M. J. (1998). Part set cuing effect in visual object recognition. Paper presented at the Annual Workshop on Object Perception and Memory, Dallas, TX.
197. Wenger, M. J., & Townsend, J. T. (1998). Information processing and facial processing: Old challenges and new technologies. Paper presented at the Twenty-third Annual Interdisciplinary Conference, Jackson Hole, WY.
198. Wenger, M. J. & Townsend, J. T. (1997). Dynamic relations for response latency and probability: Outline and initial tests. Poster presented at the 1997 Meeting of the Psychonomic Society, Philadelphia, PA.
199. Wenger, M. J., & Townsend, J. T. (1997). On the costs and benefits of faces and words. Paper presented at the 30th Annual Mathematical Psychology Society Meeting, Bloomington, IN.
200. Townsend, J. T., & Wenger, M. J. (1997). Stochastically dependent parallel systems and implications for cognitive and perceptual configularity. Paper presented at the 30th Annual Mathematical Psychology Society Meeting, Bloomington, IN.
201. Townsend, J. T., & Wenger, M. J. (1996). Searching for faces and words: General stochastic processing issues. Paper presented at the 1996 Meeting of the Psychonomic Society, Chicago, IL.
202. Townsend, J. T., & Wenger, M. J. (1996). Infinite dimensional general recognition theory (IDGRT) and its implications for object perception and memory. Paper presented at the 1996 Object Perception and Memory Conference, Chicago, IL.
203. Wenger, M. J., & Townsend, J. T. (1996). The relation of response times to the geometry of psychological spaces from a dynamic systems theory viewpoint. Paper presented at the symposium "Multidimensional scaling in reaction time research," 26th International Congress of Psychology, Montreal, Canada.

204. Wenger, M. J., & Townsend, J. T. (1996). Facial gestalts and configurality as aspects of form and capacity. Paper presented at the 29th Annual Mathematical Psychology Society Meeting, Chapel Hill, NC.
205. Townsend, J. T., & Wenger, M. J. (1996). Evidence monitoring theory: A dynamic extension of general recognition theory and cognitive stochastic processing theory. Paper presented at the 29th Annual Mathematical Psychology Society Meeting, Chapel Hill, NC.
206. Payne, D. G., & Wenger, M. J. (1996). Rapid development of mnemonic skill in normal young adults: Theoretical and pragmatic implications. Paper presented at the Second International Congress on Memory, Padova, Italy.
207. Wenger, M. J., Payne, D. G., & Knoedler, A. J. (1995). Retrieval processes in acquisition and transfer of a simple skill. Poster presented at the 1995 Meeting of the Psychonomic Society, Los Angeles, CA.
208. Wenger, M. J. (1995). Models for time-limited processing. Colloquium presentation, Volen Center for Complex Systems, Brandeis University.
209. § Wenger, M. J., Dougal, S., & Grace, B. (1995). Automatic responding in the absence of exposure to instances. Poster presented at the 1995 Meeting of the Eastern Psychological Association, Boston, MA.
210. § Payne, D. G., Neuschatz, J. S., & Wenger, M. J. (1995). Cued-recall hypermnesia: Intralist versus extralist and rhyme versus semantic cues. Paper presented at the 1995 Meeting of the Midwestern Psychological Association, Chicago, IL.
211. Wenger, M. J. (1994, October). Associative influences on the time-course of processing in a simple skill. Presentation at the colloquium series, Purdue University, West Lafayette, IN.
212. Wenger, M. J., & Payne, D. G. (1994). Developing mnemonic skill: Data and theory. Paper presented at the 1994 Practical Aspects of Memory conference (PAM III), College Park, MD.
213. Wenger, M. J., & Payne, D. G. (1994). Alphabet arithmetic and automaticity: Representational assumptions and time-course of processing. Paper presented at the 1994 Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
214. Wenger, M. J., & Payne, D. G. (1994). Cue integration across study and retrieval tasks. Paper presented at the 1994 Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
215. Wenger, M. J. (1993). Exploring the associative basis of repetition priming and automaticity using a strength-based memory model. Paper presented at the 1993 Annual Meeting of the Mathematical Psychology Society, Norman, OK.
216. Payne, D. G., & Wenger, M. J. (1993). Extending the Fuzzy Logical Model of Perception to episodic memory tasks with direct and indirect retrieval instructions. Paper presented at the 34th Annual Meeting of the Psychonomic Society, Washington, DC.
217. Wenger, M. J., & Payne, D. G. (1993). Initial acquisition of skilled memory for word lists: Contrasts related to differential levels of performance. Paper presented at the 1993 Annual Conference of the American Psychological Society, Chicago, IL.
218. Wenger, M. J., & Payne, D. G. (1993). Extending the study of skilled memory: Evidence for retrieval structures and contextual encoding in expertise developed with limited practice. Paper presented at the 1993 Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
219. Wenger, M. J., & Payne, D. G. (1993). A quantitative review of the implicit/explicit memory distinction. Poster presented at the 1993 Annual Meeting of the Midwestern Psychological Association, Chicago, IL.

220. Payne, D. G., & Wenger, M. J. (1993). A theoretical and empirical perspective on comprehension and retention of hypertext. Paper presented at the Workshop on Memory and Mental Representations, Universita di Roma La Sapienza, Rome, Italy.
221. Wenger, M. J., & Payne, D. G. (1993). The effects of graphical representation of hypertext structure on comprehension, recall, and use. Paper presented at the 1993 Conference of the Society for Information Display, Seattle, WA.
222. Payne, D. G., Wenger, M. J., & Cohen, M. S. (1993). Cognitive processing and hypermedia comprehension: A preliminary synthesis. Paper presented at the 5th International Conference on Human-Computer Interaction, Orlando, FL.
223. Payne, D. G., & Wenger, M. J. (1992). Skilled memory development using word lists under conditions of limited practice. Poster presented at the 1992 Convention of the American Psychological Society, San Diego, CA.
224. Wenger, M. J., Payne, D. G., & Lu, R. (1992). An investigation of the development of skilled memory. Paper presented at the 1992 Meeting of the Eastern Psychological Association, Boston, MA.
225. Pike, D. S., Payne, D. G., & Wenger, M. J. (1992). Effects of display format in integrative and non-integrative tasks. Poster presented at the 1992 Annual Meeting of the Human Factors Society, Atlanta, GA.
226. Wenger, M. J., & Payne, D. G. (1992). Working memory demands in reading hypertext. Paper presented at the 39th International Technical Communication Conference, Atlanta, GA.
227. Spyridakis, J. H., & Wenger, M. J. (1992). Interpreting research in technical communication. Workshop presented at the 39th International Technical Communication Conference, Atlanta, GA.
228. Payne, D. G., Wenger, M. J., Goodman, L., Graf, E. A., & Nalli, R. (1991). Recall of self-generated versus other-provided items following extended practice. Paper presented at the 1991 Meeting of the Eastern Psychological Association, New York.
229. Wenger, M. J. (1991). Hypertext and the challenge of creating meaning. Paper presented at the 38th International Technical Communication Conference, New York.
230. Wenger, M. J., Kibler, C. T., & Parker, N. C. (1991). Principled hypermedia: Pragmatics in the design of online information. Paper presented at the Fifth Annual IBM Northeast Regional Conference on Artificial Intelligence, East Fishkill, NY.
231. Kibler, C. T., Wenger, M. J., & Parker, N. C. (1991). Using models to develop hypertext nodes. Paper presented at the Fifth Annual IBM Online Information Interdivisional Technical Liaison, Endicott, NY.
232. Wenger, M. J., Spyridakis, J. H., Haselkorn, M. P., Barfield, W., & Conquest, L. (1990). Motorist behavior and the design of motorist information systems. Paper presented at the Annual Conference of the Transportation Research Board of the National Research Council, Washington, DC.
233. Wenger, M. J., & Spyridakis, J. H. (1990). Interaction of reader skills and document demands. Paper presented at the International Professional Communication Conference, Guildford, UK.

Professional Service

- Editorial board membership:
 - *Nutritional Neuroscience*, May 2018 to present.
 - American Society for Nutrition, Statistical Review Panel, May 2019 to present.
- Editorial consultant:

- *Acta Psychologica*
- *American Journal of Clinical Nutrition*
- *Annals of Medicine*
- *Behavioral and Brain Sciences*
- *Behavior Research Methods, Instruments, and Computers*
- *British Journal of Mathematical and Statistical Psychology*
- *Cognition*
- *Computational Brain & Behavior*
- *Journal of Aerospace Computing and Information*
- *Journal of Cognitive Neuroscience*
- *Journal of Nutrition*
- *International Journal of Psychology*
- *Journal of Experimental Psychology: Applied*
- *Journal of Experimental Psychology: General*
- *Journal of Experimental Psychology: Learning, Memory, and Cognition*
- *Journal of Mathematical Psychology*
- *Memory*
- *Memory & Cognition*
- *Perception & Psychophysics*
- *Psychological Methods*
- *Psychological Science*
- *Psychometrika*
- *Psychonomic Bulletin and Review*
- *Psychological Review*
- *Quarterly Journal of Experimental Psychology*
- *Visual Cognition*
- Outside reviewer
 - German Academic Exchange Service, 2008-2018
 - Israel Science Foundation: 2004-2007.
 - Air Force Office of Scientific Research, 2006.
 - United States Civilian Research and Development Foundation, Cooperative Grants Program, 2001.
 - State of Ohio, Board of Regents, Incentive Fund Competition, 2001.
- Panel Member, NIH Neurological and Neuropsychological Injuries and Disorders Study Section, 11/2023.
- Panel member, NIH Human Complex Mental Function Study Section, 10/2023.
- Panel member and co-chair, NIH Special Study Section, Learning and Memory, Language, Communication and Related Neurosciences (ZRG1 F01B-M (20)), 6/2023 to 10/2023.
- Panel co-chair, NIH Special Study Section, Sensory and Motor Neuroscience (ZRG1 F02B-E), 2021.
- Panel member, NIH Special Study Section (ZRG1 F02B-E), Sensory and Motor Neuroscience, 2014 to 2021.

- Panel member, NSF Perception, Action, and Cognition (PAC) program, Division of Behavioral and Cognitive Sciences, December, 2016.
- Panel member, NIH Special Interest Scientific Review Group 2013/10 Cognition and Perception
- Panel member, NIH special study section (ZRG1 BBBP-D), 2004 to 2010.
- Panel member, NSF Cyber-enabled Discoveries Initiative (CDI), 2008, 2009.
- Panel member, NSF Graduate Research Fellowship Program, February, 2007.
- Panel member, selection committee for the David Marr Prize, Best Student Research Contribution, Cognitive Science Society, 2003.
- Panel member, Psychology review panel, National Science Foundation Graduate Research Fellowship Program, 1999-2000.
- Panel chair, Psychology review panel, National Science Foundation Graduate Research Fellowship Program, 2001-2002.
- Conference organizer, 2004 Notre Dame Series on Quantitative Methodologies: Connecting statistical and computational/process models of cognitive aging, Notre Dame, IN.
- Conference co-organizer (with D. W. Massaro), 1999 Meeting of the Society for Mathematical Psychology, Santa Cruz, CA.
- Session co-organizer (with J. T. Townsend), “Formal models of facial processing,” Twenty-third Annual Interdisciplinary Conference, Jackson Hole, WY.
- Session co-organizer (with J. T. Townsend), “Formal approaches to facial cognition,” 1997 Meeting of the Society for Mathematical Psychology.

Department and University Service

- Graduate Admissions Committee, Department of Psychology (OU, 2016 to present)
- Committee A, Department of Psychology (OU, 2013 to 2015)
- Graduate Committee, Department of Psychology (OU, 2010 to 2014).
- Advisory Committee, General Clinical Research Center, (PSU, 2008 to 2010).
- Intercollege Graduate Degree Program in Neuroscience, graduate admissions committee (2007 to 2010).
- Huck Institutes of the Life Sciences (PSU), Penn State Neuroscience Institute steering committee (2006 to 2010).
- Huck Institutes of the Life Sciences (PSU), search committee (director), July 2005.
- University Advisory Board, Institute for Computational Science (PSU, September 2004 to 2010)
- Psychology Department Committee on Appointments and Promotion (ND: August, 2003 to May 2004)
- University Committee on Technical Computing (ND: 2001-2004)
- Psychology colloquium committee (ND: 2000-2001; PSU: 2004-2010)
- Psychology computing committee (ND: 2002)
- Hiring committees:
 - Chair, Psychology Neuroscience Search (three concurrent searches; PSU: 2007).

- Director, Arts & Letters Computing Office (ND: 2001)
- Quantitative faculty (ND: 2000)

Courses Taught

- Psychology 4253: Perceptual and Cognitive Neuroscience (OU)
- Psychology 4113: Capstone, Nutritional Neuroscience (OU)
- Psychology 3803: Physiological Psychology (OU)
- Psychology 507 and 508: Graduate statistics I & II (PSU)
- Psychology 430/452: Psychology of learning and memory (PSU)
- Psychology 202/253: Sensation and perception (PSU)
- Psychology 341: Statistics (Notre Dame)
- Psychology 357: Sensation and perception (Notre Dame)
- Psychology 427/506: Formal representations of psychological hypotheses (Notre Dame)
- Psychology 701D: Seminar, Perceptual Learning (Notre Dame)
- Psychology 224a: Cognitive Proseminar I (Experimental) (UCSC)
- Psychology 181: Advanced Psychological Data Analysis (UCSC)
- Psychology 224b: Cognitive Proseminar II (Memory) (UCSC)
- Psychology 121/121L: Sensory perception (lecture and laboratory) (UCSC)
- Psychology 232: Formal Methods in Psychology: Foundations (UCSC)
- Psychology 102: Introductory (IU)

Professional Affiliations

- Society for Neuroscience
- Vision Sciences Society
- American Society for Nutrition
- Society for Mathematical Psychology
- Psychonomic Society
- American Psychological Society (fellow)
- American Psychological Association (fellow)