

M. Windy McNerney

Contact Information

Email: mmcnerne@nd.edu
Phone: (530) 219-6322

Address: 118 Haggard Hall
Notre Dame, IN 46556

Education

BS University of California, Davis (2003) Psychobiology
Minor University of California, Davis (2003) Music
Minor University of California, Davis (2003) Spanish
MA University of Notre Dame (2006) Psychology
Minor in quantitative psychology (2010)

Research Assistantships

University of Notre Dame (2004, fall)
University of New Mexico (2006, fall)
NASA Ames Research Center (2007, 2008, 2009)

Teaching Experience

Courses Instructed: Physiological Psychology (2008-2009)

Teaching Assistantship: Cognitive Neuroscience (2010-2011)
Learning and Memory (2009, fall)
Graduate Level Statistics (2007-2008)
Statistics for Psychology Majors (2006, spring)
Cognitive Psychology (2005, fall)
Sensation and Perception (2005, spring)

Invited Talks

Class lecture on attention and consciousness (Nov, 2010; April, 2011)
Class lecture on memory in the brain (March, 2011)
Indiana University, South Bend Ignite Presentation (March, 2011)

Laboratory Skills

Imaging – single molecule tracking, TIRF microscopy, and wide-field microscopy
Cell Culture – primary neural culture from *Xenopus leavis*
Patch Clamp – field recording, and whole-cell
Staining – immunocytochemistry, and histochemistry
Neuropharmacology – glutamate, and GABA
Data analysis – SPSS, R, SYSTAT, and matlab
Behavioral measures – human special populations

Publications

McNerney, M. W., Boyd, S. (in preparation) Effects of allopregnanolone on long-term potentiation in *Xenopus leavis*. *Neurobiology of Learning and Memory*.

Magliano, J., Kopp, K., **McNerney, W.**, Radvansky, G. A., & Zacks, J. (in press). Aging and perceived event structure as a function of modality. *Aging, Neuropsychology, and Cognition*.

McNerney, M. W., Goodwin, K., & Radvansky, G. A. (2011). A novel study: A situation model analysis of reading times. *Discourse Processes*, 48, 453-474

Radvansky, G. A., Gibson, B. & **McNerney, M. W.** (2011). Synesthesia and memory: color congruency, von Restorff and false memory effects. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37, 219-229.

Miller, C., Turpin, T., & **McNerney, M. W.** (2007). HSI design issues for multiple UAV control: A comprehensive literature survey. *Technical Report: NASA Ames Research Center*.

McNerney, M. W., & West, R. L. (2007). An imperfect functional relationship between prospective memory and the prospective interference effect. *Memory and Cognition*, 35, 275-282.

West, R. L., **McNerney, M. W.**, & Travers, S. (2007). Gone but not forgotten: The effects of cancelled intentions in the neural correlates of prospective memory. *International Journal of Psychophysiology*, 64, 215-225.

West, R. L., **McNerney, M. W.**, & Krauss, I. (2007). Impaired Strategic Monitoring as the Locus of a Focal Prospective Memory Deficit. *Neurocase*, 13, 115-126.

Conference Presentations

McNerney, M. W., & Radvansky, G. A. (2010, November). Mind racing: Exercise and memory. Poster presented at Psychonomics, St. Louis, MO.

Tahir, A., Radvansky, G. A., **McNerney, M. W.** Chaundhary, B., & Payne, J. D. (2010, June). Regeneration of overnight memory consolidation ability in CPAP patients. Poster presented at the meeting of the Sleep Society, San Antonio, TX.

McNerney, M.W., Radvansky, G.A., Gibson, B. S. (2009, April). An investigation of increased memory skills associated with synesthesia. Talk presented at the Midwestern Psychological Association, Chicago, IL.

Maglione, J., Kopp, K., Radvansky, G.A., **McNerney, W.**, Krawietz, S., Tamplin, A. (2008, November). Understanding situations in text and picture stories. Poster presented at Psychonomics, Chicago, IL.

McNerney, M. W., West R., & Travers, S. (2006, April). What can cancelled intentions reveal about the neural correlates of prospective memory? Poster presented at the meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Krauss, I., West, R. & **McNerney, W.**, (April, 2006). Prospective memory deficits in the absence of global memory deficits: a case study. Poster presented at the Cognitive Aging Conference, Atlanta, GA.

McNerney, M. & West, R. (2005, April). The cost of task switching on prospective memory. Poster presented at the meeting of the Cognitive Neuroscience Society, New York, NY.

West, R., **McNerney, M.**, & Krauss, I. (2005, July). Exploring the locus of a focal prospective memory deficit: A case study. Poster presented at the Fifth International Conference on Prospective Memory, Zeifield, Switzerland.

Research in Progress

McNerney, M. W., Radvansky, G. A., Boyd, S., & Bohn, P. A spatiotemporal analysis of the mechanisms of NO formation during LTP.

McNerney, M. W. & Radvansky, G. A. Exercise and memory consolidation.

Scholarships and Grants

2008 – Mentorship Grant from the Institute for Scholarship in the Liberal Arts (\$1,000)

2008 – Graduate Professional Development Grant (\$2,750)

Professional Membership

Cognitive Neuroscience Society (2004-present)

Midwestern Psychological Association (2008-present)

Society for Neuroscience (2011-present)