Marc G. Berman

Departments of Psychology and Industrial and Operations Engineering (IOE)
University of Michigan
525 E. University Ave., Ann Arbor, Michigan 48109-1109
Telephone: 248-760-6103 office: 734-764-6249
e-mail: bermanm@umich.edu

Education:

University of Michigan
Interdisciplinary Ph.D. (Psychology and IOE) expected in 2010

University of Michigan
M.S.E, 2006 (I.O.E.)

University of Michigan
B.S.E, 2004 (I.O.E., Summa Cum Laude; 3.87/4.00)

Awards/Honors:
National Science Foundation Graduate Research Fellowship
Industrial Operations and Engineering Departmental Graduate Fellowship
Myun Lee Scholarship Award Winner
Clyde Johnson Scholarship Award Winner

Professional Organizations and Affiliations:
American Psychological Association (APA) Science Student Council (APASSC)
Dean of Students Advisory Board Member
Human Factors and Ergonomics Society (HFES)
Cognitive Neuroscience Society
Psi Chi Psychology Honor Society
Tau Beta Pi Engineering Honor Society
Eta Kappa Nu Electrical Engineering Honor Society
Cognitive Science Cognitive Neuroscience Certificate Program
Undergraduate Psychology Graduate Student Mentorship Program

Previous/Current Positions:
2008-2009 Psychology Department Associate
APASSC chair 2008
University of Michigan HFES President-Elect 2006-2007 (Student Chapter)
Ad-hoc reviewer for *Journal of Experimental Psychology: Learning Memory and Cognition*
Ad-hoc reviewer for *Journal of Abnormal Psychology*
Ad-hoc reviewer for *Journal of Cognitive Neuroscience*
Ad-hoc reviewer for *Proceedings of the National Academy of Sciences*
Ad-hoc reviewer for *Cognitive Affective and Behavioral Neuroscience*

Ad-hoc reviewer for *Trends in Cognitive Sciences*
Ad-hoc reviewer for *Cortex*

Student/Researcher in Cognitive Neuroscience Lab (advisor John Jonides)
Student/Researcher in Computational Cognitive Modeling Lab (advisor Yili Liu)
Graduate Student Mentor 2006
Graduate Student Instructor 2006
Dean of Students Advisory Board 2005-2006
Research Assistant and Lab Manager Cognitive Neuroscience Lab 2003-2004
National Security Agency (NSA) Summer Research Intern 2002, 2003 (Cleared for Secret/Sensitive Compartmented Information)
fMRI Undergraduate Researcher 2001-2003

Publications:

Jaeggi, S.M., Berman, M.G., and Jonides, J. (in press) "Training Attentional Processes." *Trends in Cognitive Sciences*

Berman, M.G., Jonides, J., and Lewis, R.L. (in press). "In Search of Decay in Short-term Memory." *Journal of Experimental Psychology: Learning, Memory and Cognition*

Berman, M.G., Jonides, J., Kaplan, S. (2008). "The Cognitive Benefits of Interacting with Nature." *Psychological Science* 19(12):1207-1212

Barch, D.M., Berman, M.G., Engle, R., Hurdelbrink Jones, J., Jonides, J., MacDonald III, A., Nee, D.E., Redick, T.S., and Sponheim, S.R. (2008). "CNTRICS Final Task Selection: Working Memory." *Schizophrenia Bulletin* 35(1): 136-152.

Jonides, J., Lewis, R.L., Nee, D.E., Lustig, C.A., Berman, M.G., and Moore, K.S. (2008). "The Mind and Brain of Short-Term Memory." *The Annual Review of Psychology* 59:193-224

Nee, D.E., Berman, M.G., Moore, K.S., and Jonides, J. (2008). "Neuroscientific Evidence on the Distinction between Short- and Long-term Memory." *Current Directions in Psychological Science.* 17(2): 102-106

Nee, D.E., Jonides, J. and Berman, M.G. (2007). "Neural mechanisms of proactive interference-resolution." *NeuroImage* 38: 740–751

Berman, M.G., Jonides, J. and Nee D.E. (2006). "Studying Mind and Brain with fMRI." *Social, Cognitive and Affective Neuroscience.* 1 (2): 158-161.

Jonides, J., Nee, D.E., & Berman, M.G. (2006). "What has functional neuroimaging told us about the mind? So many examples, so little space." *Cortex.* 42 (3): 414-417

Under Revision

Kaplan, S., & Berman, M.G. (under-revision). **"**Identifying and restoring the limited resource necessary for self-management and executive functioning." *Perspectives in Psychological Science*

Joormann, J., Nee, D.E., Berman, M.G., Jonides, J., Gotlib, I. (under-revision). "Interference Resolution in Major Depression" *Journal of Abnormal Psychology*

In Preparation

Berman, M.G., Franklin, M.S., Franklin, T.G., and Gonzalez, R. (in prep). "Dissociating Preference and Recognition from the Mere Exposure Effect"

Berman, M.G., Liu, Y., and Wu C. (submitted). **"**A 3-node Queuing Network Template of Cognitive and Neural Differences."

Book Chapters

Lustig, C.A., Berman, M.G., Lewis, R.L., Nee, D.E., Moore, K.S., Jonides, J. (in press) "Psychological and Neural Mechanisms of Short-term Memory." In *The Handbook of Neuroscience*

Wu, C., Berman, M.G., and Liu, Y. (in press). "Modeling Human Behavior and Brain Activation Patterns with Queuing Network and Reinforcement Learning Algorithms." In *Computational Neuroscience*

Conference Proceedings

Berman, M.G., Liu, Y., and Wu C. (2007). **"**A 3-node Queuing Network Template of Individual Differences in Neural Activity." *Cognitive Affective and Behavioral Neuroscience.*

Presentations:

Berman, M.G. et al. (2009). A Chronometric Analysis of Cognition in Depression. *Cognitive Neuroscience Society Annual Meeting 2009* San Francisco, CA.

Atkins., A.L., Reuter-Lorenz, P.A., Jonides, J. and Berman, M.G. (2009). A COMMON ROLE FOR LEFT INFERIOR FRONTAL GYRUS (BA45) IN PROACTIVE AND SEMANTIC INTERFERENCE IN A WORKING MEMORY TASK? *Cognitive Neuroscience Society Annual Meeting 2009* San Francisco, CA.

Buschkuehl, M., Jaeggi, S., Berman, M.G., Thummala, K., Behnke, C., and Jonides, J. (2009). INVESTIGATING THE UNDERLYING COGNITIVE PROCESSES OF THE N-BACK TASK: A REGRESSION STUDY. *Cognitive Neuroscience Society Annual Meeting 2009* San Francisco, CA.

Berman, M.G., Jonides, J., and Lewis, R.L. (2008). Semantic Similarity Effects of Proactive Interference Resolution. *Psychonomics Society 48th Annual Meeting.* Chicago, IL.

Atkins, A.S., Berman, M.G., Jonides, J. and Reuter-Lorenz, P. (2008). Articulatory Suppression Increases Proactive And Semantic Interference In A Working Memory Task. *Psychonomics Society 48th Annual Meeting.* Chicago, IL.

Berman, M.G. (2008). "Neural Correlates of Inhibitory Functioning in Major Depressive Disorder." *fMRI Symposium (Invited Speaker)* The University of Michigan, Ann Arbor, MI.

Berman, M.G., Gehrke, A., Knaffla, S., Jonides, J., and Gonzalez, R. (2008) "Functional Localizers." *Cognitive Neuroscience Society Annual Meeting 2008* San Francisco, CA.

Hall, J.L., Berman, M.G., Magnotta, V.A., Damasio, H., Polk, T.A., and Preston, S.D., "Behavioral and Neural Correlates of Empathy in Depression." *Cognitive Neuroscience Society Annual Meeting 2008* San Francisco, CA.

Berman, M.G., Gonzalez, R., and Franklin, M.S. (2007). "The Supraliminal Mere Exposure Effect." *Psychonomics Society 48th Annual Meeting*. Long Beach, CA.

Berman, M.G., Jonides, J., Newman, L.I., Nee, D.E. (2007). "Do Working Memories Decay?" *Psychonomics Society 48th Annual Meeting*. Long Beach, CA.

Berman, M.G. (2006). "Facilitating Executive Functioning through Positive Affect and Natural Environments." *University of Michigan Cognition and Perception Colloquium Series (Invited Speaker).*

Berman, M.G., & Jonides, J. (2006). "Facilitating Executive Functioning Through Positive Affect and Natural Environments." *Psychonomics Society 47th Annual Meeting.* Houston, TX.

Nee, D.E., Berman, M.G., & Jonides, J. (2006). "The role of left inferior frontal gyrus in resolving proactive interference as revealed by fMRI." *Cognitive Neuroscience Society Annual Meeting 2006,* San Francisco, CA.

Berman, M.G., Nee, D.E., & Jonides, J. (2005). "Fatiguing Executive Function." *Psychonomics Society 46th Annual Meeting.* Toronto, ON.

Hernandez-Garcia, L., Peltier, S., Kroger, J., Berman, M. G., & Noll, D. C. (2003). "Neuronal Inhibition and Negative BOLD Response." *Organization of Human Brain Mapping Annual Conference 2003*. New York, NY.

Media Coverage

The Boston Globe (“The Neuroscience of Urban Living”) [forthcoming]

Science Magazine (“Science Editor’s Choice” re: Nature Restoration) [forthcoming]

Allure Magazine (“Mood News” re: Nature Restoration) [forthcoming]

The New Yorker Magazine [forthcoming]

APA GradPsych Magazine (“Research Roundup” re: Nature Restoration, September 2008 issue Vol 6. No. 3)

Self Magazine

Women’s Health

Ann Arbor News

Charles Adler Show

CBC news

WWJ

WDIV channel 4

The Today Show

Science Central News

Quest Magazine (Netherlands)

The university of Michigan homepage

Scientific American Mind