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EDUCATION

- Ph.D., Experimental Psychology, Washington University in Saint Louis, 2004
Dissertation Title: *Spacing and expanded retrieval effects in younger and older adults*
Committee Chair: David A. Balota
- M.A., Experimental Psychology, Washington University in Saint Louis, 2001
Thesis Title: *Conscious and unconscious lexical retrieval blocking in younger and older adults*
Committee Chair: David A. Balota
- B.A., Psychology, B.A., Linguistics, University of Texas at Austin, 1998
Summa Cum Laude
Thesis Title: *Integrating temporal information in judgments of causality*
Committee Chair: Barbara A. Spellman

POSITIONS HELD

Rice University, Houston, Texas
Assistant Professor, Department of Psychology, August 2006-present

Washington University in St. Louis, St. Louis, Missouri
Research Associate, Department of Psychology, May 2004-July 2006
Advisors: Kathleen B. McDermott and Henry L. Roediger, III.

National Institute on Aging Research Trainee, 2003-2004
Advisor: David A. Balota

National Science Foundation Pre-doctoral Research Fellow, 1998-2001
Advisor: David A. Balota

GRANTS

Teagle Foundation Award for Collegia on Student Learning - Principal Investigator
\$150,000 (Aug 2008-Aug 2011)
Translating Cognitive Research on Learning and Retention into College Classrooms: Collegium of Rice University and the University of Texas Medical School, Houston

Social Sciences Research Institute, Rice University - Principal Investigator
\$12,000 (2008-2009)
Re-Defining Gold Standards of Wisdom in the Cognitive Neuroscience of Aging

Social Sciences Undergraduate Research Enterprise, with Andrew Thompson
\$1,250, 2007-2009

How Should Students Organize Their Study Time?: The Role of Distributed Practice and Self-Testing in Learning Foreign Language Vocabulary

RESEARCH PUBLICATIONS

Conway, M.A., Turk, D.J., Miller, S.L., Logan, J., Nebes, R.D., Meltzer, C.C., Becker, J.T. (1999). A Positron Emission Tomography (PET) study of autobiographical memory retrieval. *Memory*, 7, 679-702.

Logan, J. (2000, October 12). Honoring outstanding mentors. In *Science's Next Wave* [On-line].

Buckner, R.L. and Logan, J.M. (2001) Functional neuroimaging methods: PET and fMRI. In Cabeza, R. and Kingstone, A. (Eds) *Handbook of Functional Neuroimaging of Cognition*. Cambridge: MIT Press.

Buckner, R.L., Logan, J.M., Donaldson, D.I., and Wheeler, M.E. (2001). Cognitive neuroscience of episodic memory encoding. *Acta Psychologica*, 105, 127-139.

Spellman, B.A., Price, C.M., and Logan, J.M. (2001). How two causes are different from one: The use of (un)conditional information in Simpson's Paradox. *Memory & Cognition*, 29, 193-208.

Logan, J. (2002, March 29). Integrating technology training into graduate education. In *Science's Next Wave* [On-line].

Logan, J.M., Sanders, A.L., Snyder, A.Z., Morris, J.C., & Buckner, R.L. (2002). Under-recruitment and non-selective recruitment: Dissociable neural mechanisms associated with aging. *Neuron*, 33, 827-840.

Buckner, R.L., and Logan, J.M. (2002). Frontal contributions to episodic memory encoding in the young and elderly. In Parker, AE, Wilding, EL, and Bussey, T (Eds.), *The Cognitive Neuroscience of Memory Encoding and Retrieval*. Psychology Press:Philadelphia.

Logan, J.M. (2002). A Graduate Student Perspective: Exploitation or Opportunity. In *Ethical Challenges for Graduate Education*, pp. 51-56.

Duchek, J.M., & Logan, J.M. (2003). Tip of the tongue phenomenon. In JH Byrne (Ed.), *Learning and Memory (2nd edition)*, pp.650-651; Farmington Hills, MI:Macmillan Reference/The Gale Group.

Logan, J.M., and Balota, D.A. (2003). Conscious and unconscious retrieval blocking in younger and older adults. *Psychology and Aging*, 18, 537-550.

Balota, D.A., Duchek, J.M., & Logan, J.M. (2006). Is expanded retrieval practice a superior form of spaced retrieval? A critical review of the extant literature. In J. Nairne (Ed.), *Foundation of Remembering: Essays in Honor of Henry L. Roediger, III*.

Castel, A.D., Balota, D.A., Hutchison, K.A., & Logan, J.M. (2007). Spatial attention and response control in healthy younger and older adults and individuals with Alzheimer's Disease: Evidence for disproportionate selection impairments in the Simon task. *Neuropsychology*, 21, 170-182.

Logan J.M., & Balota, D.A. (2008). Expanded versus equal interval spaced retrieval practice: Exploring different schedules of spacing and retention interval in younger and older adults. *Aging, Neuropsychology, and Cognition*, 15, 257-280.

Lyle, K.B., Logan, J.M., and Roediger, H.L., III. (2008). Eye movements enhance memory for individuals who are strongly right-handed and harm it for individuals who are not. *Psychonomic Bulletin & Review*, 15, 515-520.

Castel, A.D., & Logan, J.M. (under revision). Metacognition and the spacing effect: The role of repetition and feedback on Judgments of Learning for massed and spaced rehearsal. *Memory and Cognition*.

Meyer, A.N.D., and Logan, J.M. (submitted). Subject-chosen feedback: Can accurate metacognitive monitoring allow one to correctly choose and benefit from feedback?

RESEARCH MANUSCRIPTS IN PREPARATION

Logan, J. M., Roediger, H.L., & McDermott, K.B. Spaced retrieval and the effects of inter-item difficulty on learning foreign language vocabulary.

Logan, J.M., and Thompson, A.J. How should students organize their study time?: The role of distributed practice and self-testing in learning foreign language vocabulary.

INVITED TALKS

Scientia Institute, Rice University, October 2007

“Brain and Behavior: How We Create and Maintain Memory in Early Adulthood and Advanced Age”

Department of Neurobiology & Neuroanatomy, University of Texas Medical School, October 2007

“Teaching the Mind New Tricks: How Strategy Use Impacts Learning and Retention in Early Adulthood to Advanced Age”

Negotiating the Ideal Faculty Position Workshop, Panel Chair, Rice University, October 2008

“Balancing Your Life”

Faculty Women’s Club, Rice University, February 2009

“Memory and Aging: What Goes Right, What Goes Wrong, and What Can We Do About It”

PRESENTATIONS AT NATIONAL CONFERENCES

Logan, J.M., Kelley, W.M. and Buckner, R.L. (2000, April). *Inferior and dorsal frontal cortex play distinct roles in episodic memory formation*. Poster presentation, Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

Logan, J.M., and Balota, D. A. (2000, April). *Blocking word retrieval in younger and older adults*. Poster presentation, Cognitive Aging Conference, Atlanta, GA. Logan, J.M. (2000, October).

Logan, J.M., and Buckner, R.L. (2001, March). *Age-related changes in the neural correlates of encoding*. Poster presentation, Cognitive Neuroscience Society Annual Meeting, New York, NY.

Logan, J.M., and Balota, D.A. (2004, April). *Spaced and expanded retrieval effects in younger and older adults*. Poster presented, Cognitive Aging Conference, Atlanta, GA.

Logan, J.M., Balota, D.A., Duchek, J.M., and Sergent-Marshall, S. (2004, November). *Memory Conjunction Errors In Healthy Aging And Alzheimer's Disease*. Poster presented, Annual Meeting of the Psychonomic Society, Minneapolis, MN.

Balota, D.A., Duchek, J.M., & Logan, J.M. (2005, March). *Is expanded retrieval practice a superior form of spaced retrieval?* Invited talk, Roddyfest Conference, Purdue University.

Logan, J.M., and Balota, D. A. (2006, April). *Using Spaced Retrieval Practice to Learn Faces and Names*. Plenary talk, Cognitive Aging Conference, Atlanta, Georgia.

Lyle, K.B., Logan, J.M., and Roediger, H.L., III. (2006, November). *Does Moving Your Eyes Before a Memory Test Enhance Performance?* Poster presented, Annual Meeting of the Psychonomic Society, Houston, TX.

Logan, J.M., Roediger, H.L., III, and McDermott, K.B. (2006, November). *Using Spaced Retrieval Practice to Learn Foreign Language Vocabulary*. Paper presented, Annual Meeting of the Psychonomic Society, Houston, TX.

Castel, A.D., and Logan, J.M. (2007, November). *Learning about the Spacing Effect: The Role of Experience and Feedback*. Poster presented, Annual Meeting of the Psychonomic Society, Long Beach, CA.

Meyer, A.N., and Logan, J.M. (2007, November). *Subject-Controlled Feedback in a Verbal Learning Task*. Poster presented, Annual Meeting of the Psychonomic Society, Long Beach, CA.

Meyer, A.N., Logan, J.M., and Kang, S.H. (2008, November). *Subject-Controlled Feedback in the Recognition of Deceptive and Nondeceptive Sentences*. Poster presented, Annual Meeting of the Psychonomic Society, Long Beach, CA.

Thompson, A.J., and Logan, J.M. *How Should Students Organize Their Study Time?: The Role of Distributed Practiced and Self-Testing in Learning Foreign Language Vocabulary*. Poster to be presented, National Undergraduate Research Conference, La Crosse, WI.

Avci, G., and Logan, J.M. (2009, July). *Aging & Task-Switching: Exploring the Costs of Switching between Mental Domains*. Poster to be presented, Society for Applied Research in Memory and Cognition (SARMAC), Kyoto, Japan.

Meyer, A.N., and Logan, J.M. (2009, July). *Subject-Chosen Feedback: Can Accurate Metacognitive Monitoring Allow One to Correctly Choose and Benefit from Feedback?* Talk to be presented, Society for Applied Research in Memory and Cognition (SARMAC), Kyoto, Japan.

Logan, J.M., Halcomb, S.H., and Meyer, A.N. (2009, July). *Making The Most of Study Time in a Face-Name Learning Paradigm*. Talk to be presented, Society for Applied Research in Memory and Cognition (SARMAC), Kyoto, Japan.

TEACHING EXPERIENCE

Graduate Courses

Rice University – Department of Psychology, Assistant Professor
Memory and Aging, 2006
Memory, 2008

Undergraduate Courses

Washington University in St. Louis – Department of Psychology, Instructor
Seminar: Introduction to Psychology, 2004, 2005, 2006

University of Missouri, St. Louis – Department of Gerontology, Instructor
Aging in America, 2004, 2005
Adult Development and Aging, 2006

Rice University – Department of Psychology, Assistant Professor
Research Methods, 2006, 2007, 2008, 2009
Advanced Cognitive Topics: Memory and Aging, 2006
Neuropsychology of Memory and Language (with Dr. Randi Martin), 2008
Memory (with Daniel Glaser), 2009
Science: The Good, The Bad, & The Ugly (Baker 102; with Dr. Bob Slevc), 2009

STUDENT SUPERVISION

Primary Advisor for Ph.D. Students

Ashley N.D. Meyer, M.A., 2006 – present
Sara H. Haber, M.A., 2007 – present
Gunes Avci, M.A., 2008 – present

Primary Advisor for Undergraduate Students (Honors Theses & Funded Research)

Andrew J. Thompson, 2007-present (SSURE Program; Senior Honors Thesis for 2009-2010)
Alex Young, 2007-present (Century Scholar)
Eric Wilde, 2008-present (Senior Honors Thesis for 2009-2010)

ACADEMIC HONORS

National Science Foundation Graduate Research Fellowship

National Honor Society of Phi Kappa Phi Fellowship

Phi Beta Kappa

Graduate Student Award, for scholarly excellence and leadership potential, Association of Women Faculty, Washington University Chapter, 2000

Julia Gehm Scholarship for Outstanding Student Leadership, Graduate School of Arts and Sciences, 2000-2001

Roma Schaefer Nooter Scholar in Psychology, for research in cognitive aging, Washington University, 2001

Richard and Mildred Poletsky Education Award, for future promise in aging and dementia research, Washington University Alzheimer's Disease Research Center, 2001

First Place, Social Sciences Division, Graduate Student Senate Research Symposium, 2002

Graduate Student Senate Leadership Award, for founding Outstanding Faculty Mentor Awards, Washington University, 2004

Student Marshal, Commencement, Graduate School of Arts and Sciences, Washington University, 2004

Finalist, Phi Beta Kappa Teaching Prize, Rice University, 2008

ACADEMIC SERVICE

National

Board of Directors, National Association of Graduate and Professional Students, 2000-2001

Campus Representative, *Science's NextWave*, 2001-2004

Graduate Student Representative, NSF/NIH Fellowship Stipend Steering Committee, Washington D.C., 2002-2003

Departmental/University

President, Graduate Student Senate, Graduate School of Arts and Sciences, Washington University, 1999-2000

Graduate Student Representative, Board of Trustees, Washington University, 2000-2001

Graduate Student Senate, Chair, Peer Mentoring Committee, 2000-2002

Co-Organizer: *Brain, Behavior, and Cognition Conference*, Rice University, November 2006

Psi Chi Advisor, Rice University, Fall 2007, Fall 2008

Judge, Neurosciences Research Symposium, University of Texas Medical School, 2008, 2009

Undergraduate Advising Committee, Department of Psychology, Rice University, 2007-present

Resident Faculty Associate, Baker College, Rice University, 2008-present

Negotiating the Ideal Faculty Position Workshop, Panel Chair, Rice University, October 2008

Committee Member, Job Search in Memory, 2008-2009

REVIEWING FOR PROFESSIONAL JOURNALS

Brain and Cognition; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Neuroscience; Neuropsychology; Psychonomic Bulletin and Review; Psychology and Aging; Memory & Cognition; Memory

PROFESSIONAL ORGANIZATIONS

Psychonomic Society
American Psychological Association
Association for Psychological Science
Cognitive Neuroscience Society
Southwestern Psychological Association