

Curriculum Vitae

Robert G. Morrison

Work Address: Loyola University Chicago
Department of Psychology,
1023 W Sheridan Rd
Chicago IL 60626

Home Address: 1317 W Greenleaf Ave
Chicago IL 60626

Phone: (773) 508-2973

Fax: (312) 896-9154

E-mail: rmorrison@luc.edu

Website: morrisonlab.org

eRA Commons: RGMORRISON

pubmed: MORRISON RG

A. Background

Education:

Northwestern University	Post-Doc	2007-2009	Human Electrophysiology
University of California, Los Angeles	PhD	2004	Cognitive Neuroscience
University of California, Los Angeles	MA	2000	Cognitive Psychology
Cleveland State University	MA	1998	Experimental Psychology
Wheaton College	BS	1988	Chemistry, Biology minor

Positions Held:

2009-present	Assistant Professor of Psychology, Loyola University, Chicago, IL
2007-2009	Post-Doctoral Fellow, Psychology Department, Northwestern University, Evanston, IL
2007-2008	Adjunct Professor, Liberal Arts Department, School of the Art Institute of Chicago
2003-2007	Executive Director and Project Producer, Xunesis, Chicago, IL
2002-2007	Research Consultant, Medantics Technology, Salt Lake City, Utah
1991-1994	Group Leader, Basic Research, Day-Glo Color Corp., Cleveland, OH
1989-1991	Senior Chemist, Corporate Research, Nalco Chemical Co., Naperville, IL
1988-1989	Research Technician, Neurology Department, Northwestern University, Chicago, IL

Awards and Support:

IDPH, Alzheimer's Disease Research Fund Grant 7/1/2009-6/30/2010 \$35,000

Electrophysiology of category learning in Alzheimer's Disease

Role: Principal Investigator; Award defunded because of Illinois budget cut

NIA, Northwestern Alzheimer's Disease Core Center 7/1/2009-6/30/2010 \$28,880

Electrophysiological of Category Learning in Patients with Mild Cognitive Impairment

Role: Principal Investigator; Award declined because of institution change

1R25MH080794-01 NIMH, Steve Luck (PI) 7/2009

Yearly Workshop in the Event-Related Potential Technique

Role: Trainee

T32AG020506 NIA, John Disterhoft (PI) 5/1/2007-2/28/2009

Mechanisms of Aging and Dementia Training Program

Role: Post-Doctoral Fellow; Ken Paller & Paul Reber, cosponsors

SBIR OSD03-DH07 ONR, Gregory Thompson (PI) 2006-2007

Medical Training for Force Mobilization and Disaster Response

Role: Consultant

- SBIR OSD01-CR11 ONR, Gregory Thompson (PI) 2002-2004
An Intelligent System for Case-Based Instruction
 Role: Consultant
- F31MH064244-01A1 NIMH, National Research Service Award 2002-2004
Working Memory and Inhibition in Analogical Reasoning
 Role: Pre-Doctoral Fellow; Keith Holyoak and John Hummel, co-sponsors
- T32MH019926-05 NIMH, Rochel Gelman (PI) 1999-2000
Training in Developmental Cognitive Science Award
 Role: Pre-Doctoral Trainee; Rochel Gelman, sponsor
- Pending Support:**
- RC1 NIA, Ken Paller (PI) 2009-2012 \$1,000,000
Physiological memory-function biomarker for age-related memory decline
 Role: Co-Investigator
- R01 NIMH, Paul Reber (PI) 2010-2014 \$1,000,000
Neuroimaging approaches to visual category learning
 Role: Co-Principal Investigator

Memberships in Professional Organizations:

Association for Psychological Science
 Cognitive Development Society
 Cognitive Neuroscience Society
 Cognitive Science Society
 Psychonomic Society, Associate
 Society for Neuroscience

B. Peer-Reviewed and Book Publications

- Richland, L.E., Chan, T.K., **Morrison, R.G.**, & Au, T.K.F. (in press). Young Children's Analogical Reasoning across Cultures: Similarities and Differences. *Journal of Experimental Child Psychology*.
- Morrison, R.G.** (in press). Analogical Reasoning: Models of Development. In H. Pashler (Ed.), *Encyclopedia of the mind*. Thousand Oaks, CA: Sage Publications.
- Morrison, R.G.**, & Cho, S. (2008). Neurocognitive process constraints on analogy: What changes to allow children to reason like adults? *Behavioral and Brain Sciences*, 31, 391-392. PMID: 18662450
http://www.morrisonlab.org/publications/morrison_cho_BBS_2008.pdf
- Krawczyk, D. C., **Morrison, R. G.**, Viskontas, I., Holyoak, K. J., Chow, T. W., Mendez, M., Miller, B.L., & Knowlton, B. J. (2008). Distraction during relational reasoning: The role of prefrontal cortex in interference control. *Neuropsychologia*, 46, 2020-2032. PMID: 18355881
http://www.morrisonlab.org/publications/krawczyk_etal_neuropsych_2008.pdf
- Lu, H., **Morrison, R.G.**, Hummel, J.E., & Holyoak, K.J. (2006). Role of gamma-band synchronization in priming of form discrimination for multi-object displays. *Journal of Experimental Psychology: Human Perception and Performance*, 32, 610-617. PMID: 16822127 http://www.morrisonlab.org/publications/lu_etal_JEPHPP_2006.pdf

Richland, L.E., **Morrison, R.G.**, & Holyoak, K.J. (2006). Children's development of analogical reasoning: Insights from scene analogy problems. *Journal of Experimental Child Psychology*, *94*, 249–273. PMID: 16620867

http://www.morrisonlab.org/publications/richland_morrison_holyoak_JECP_2006.pdf

Morrison, R.G. (2005). Thinking in working memory. In K.J. Holyoak & R.G. Morrison (Eds.), *Cambridge Handbook of Thinking and Reasoning* (pp. 457-473). New York, NY: Cambridge University Press.

http://www.morrisonlab.org/publications/morrison_CHTR_2005.pdf

Holyoak, K.J., & **Morrison, R.G.** (2005). Thinking and reasoning: A readers guide. In K.J. Holyoak & R.G. Morrison (Eds.), *Cambridge Handbook of Thinking and Reasoning*. (pp. 1-9). New York, NY: Cambridge University Press.

http://www.morrisonlab.org/publications/holyoak_morrison_CHTR_2005b.pdf

Holyoak, K.J., & **Morrison, R.G.** (Eds.) (2005). *Cambridge Handbook of Thinking and Reasoning*. New York, NY: Cambridge University Press.

<http://www.cambridge.org/catalogue/catalogue.asp?isbn=0521824176>

Morrison, R.G., Krawczyk, D., Holyoak, K.J., Hummel, J.E., Chow, T., Miller, B., & Knowlton, B.J. (2004). A neurocomputational model of analogical reasoning and its breakdown in frontotemporal lobar degeneration. *Journal of Cognitive Neuroscience*, *16*, 260-271. PMID: 15068596

http://www.morrisonlab.org/publications/morrison_et al_JOCN_2004.pdf

Viskontas, I.V., **Morrison, R.G.**, Holyoak, K.J., Hummel, J.E., & Knowlton, B.J., (2004) Relational integration, inhibition and analogical reasoning in older adults. *Psychology and Aging*, *19*, 581-591. PMID: 15584784

http://www.morrisonlab.org/publications/viskontas_et al_PA_2004.pdf

Morrison, R. G., & Holyoak, K. J. (2003). Problem solving. In M. Aminoff & R. Daroff (Eds.), *The encyclopedia of the neurological sciences* (Vol. 1, pp. 60-62). San Diego: Academic Press.

http://www.morrisonlab.org/publications/morrison_holyoak_ENS_2003.pdf

Morrison, R.G., & Wallace, B. (2001). Imagery vividness, creativity, and the visual arts. *Journal of Mental Imagery*, *25*, 135-152.

http://www.morrisonlab.org/publications/morrison_wallace_jmi_2001.pdf

Spellman, B.A., Holyoak, K.J., & **Morrison, R.G.** (2001). Analogical priming via semantic relations. *Memory & Cognition*, *29*, 383-393. PMID: 11407415

http://www.morrisonlab.org/publications/spellman_holyoak_morrison_MC_2001.pdf

C. Published Proceedings

Doumas, L.A.A., **Morrison, R.G.**, & Richland, L.E. (2009). The development of analogy: Task learning and individual differences. *Proceedings of the Thirty-First Annual Conference of the Cognitive Science Society* (pp. 3133-3138). Mahwah, NJ: Erlbaum.

Morrison, R.G., Reber, P., & Paller, K.A. (2009). Dissociation of category-learning mechanisms via brain potentials. *Proceedings of the Thirty-First Annual Conference of the Cognitive Science Society* (pp. 3076-3081). Mahwah, NJ: Erlbaum.

Morrison, R.G., Doumas, L.A.A., & Richland, L.E. (2006). The development of analogical reasoning in children: A computational account. *Proceedings of the Twenty-eighth Annual Conference of the Cognitive Science Society* (pp. 603-608). Mahwah, NJ: Erlbaum. http://www.morrisonlab.org/publications/morrison_doumas_richland_PCSS_2006.pdf

Thompson, G., **Morrison, R.G.**, Holyoak, K.J., & Clark, T.K. (2006). Evaluation of an online analogical patient simulation program. *Proceedings of the Nineteenth IEEE International Symposium on Computer-Based Medical Systems* (pp. 623-628). Los Alamitos, CA: IEEE Computer Society. http://www.morrisonlab.org/publications/thompson_etal_IEEE_2006.pdf

Richland, L.E., **Morrison, R.G.**, & Holyoak, K.J. (2004). Developmental Change in Analogical Reasoning: Evidence from a Picture-Mapping Task. *Proceedings of the Twenty-seventh Annual Conference of the Cognitive Science Society* (pp. 1149-1154). Mahwah, NJ: Erlbaum.

Morrison, R.G., Krawczyk, D., Knowlton, B.J., Holyoak, K.J., Boone, K.B., Chow, T., & Mishkin, F.S. (2001). Relational reasoning and semantic inhibition in human prefrontal cortex. *Brain & Cognition*, 47, 292-296.

Morrison, R.G., Holyoak, K.J., & Truong, B. (2001). Working memory modularity in analogical reasoning. *Proceedings of the Twenty-fourth Annual Conference of the Cognitive Science Society* (pp. 663-668). Mahwah, NJ: Erlbaum. http://www.morrisonlab.org/publications/morrison_holyoak_truong_cogsci_2001.pdf

Morrison, R.G., Holyoak, K.J., & Spellman, B.A. (2000). Analogical priming in a word naming task. *Proceedings of the Twenty-second Annual Conference of the Cognitive Science Society* (pp. 1045). Mahwah, NJ: Erlbaum.

D. Manuscripts under Review

Morrison, R.G., Doumas, L.A.A., & Richland, L.E. (2009). *A computational account of children's analogical reasoning: Balancing inhibitory control in working memory and relational representation*. Manuscript under review (second review).

E. Manuscript in Preparation

Holyoak, K.J., & **Morrison, R.G.** (Eds.) (2009). *Oxford Handbook of Higher Cognition*. New York, NY: Oxford University Press. Manuscript in preparation.

Holyoak, K.J., & **Morrison, R.G.** (2009). A Reader's Guide. In K.J. Holyoak & **R.G. Morrison** (Eds.), *Oxford Handbook of Higher Cognition*. New York: Oxford University Press.

Morrison, R.G., Doumas, L.A.A., Kounios, J., Reber, P., & Paller, K.A. (2009). Event-related neural oscillations in category learning. Manuscript in preparation.

Morrison, R.G., & Knowlton, B.J. (2009). Cognitive neuroscience of higher cognition. In K.J. Holyoak & **R.G. Morrison** (Eds.), *Oxford Handbook of Higher Cognition*. New York: Oxford University Press.

Morrison, R.G., Reber, P., & Paller, K.A. (2009). Neural dissociations in category learning: An electrophysiological approach. Manuscript in preparation.

Ray, R.D., **Morrison, R.G.**, Queen, J.S., & Lee, B.L. (2009). *Virtual laboratory experiences: Adding artificially intelligent adaptive interactivity to video*. Manuscript in preparation.

F. Educational Media

Morrison, R.G. (Producer), & Bergman, C.E. (Director). (2005). *Retrieval: A journey into memory* [Motion Picture]. United States: Xunesis. <http://www.xunesis.org/Retrieval.html>

Morrison, R.G. (Producer/Director), & Ray, R. (co-Producer). (2006). *Virtual Lab Tours: Volume 1* [CD-ROM]. United States: Xunesis.

G. Conference Presentations

Doumas, L.A.A., **Morrison, R.G.**, & Richland, L.E. (2009). The development of analogy: Task learning and individual differences. *Proceedings of the Thirty-First Annual Conference of the Cognitive Science Society*. Mahwah, NJ: Erlbaum.

Morrison, R.G., Reber, P., & Paller, K.A. (2009). Dissociation of category-learning mechanisms via brain potentials. *Proceedings of the Thirty-First Annual Conference of the Cognitive Science Society*. Mahwah, NJ: Erlbaum.

Morrison, R.G. (2009). *Implementing analogy in the brain: A computational approach to Neuropsychological Results*. Talk presented at the 2nd International Analogy Conference, Central and East European Center for Cognitive Science, New Bulgarian University, Sofia, Bulgaria.

Richland, L.E., Doumas, L.A.A., & **Morrison, R.G.** (2009). *Implementing*. Talk presented at the 2nd International Analogy Conference, Central and East European Center for Cognitive Science, New Bulgarian University, Sofia, Bulgaria.

Morrison, R.G., Reber, P., & Paller, K.A. (2009, April). *Electrophysiological decomposition of category-learning mechanisms*. Poster accepted for presentation at the Fifteenth International Congress on Event-Related Potentials of the Brain, Bloomington, Indiana.

Morrison, R.G., Reber, P., & Paller, K.A. (2009, March). *Electrophysiological dissociation of category learning mechanisms*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, California.

Morrison, R.G., & Reber, P.J., & Paller, K.A. (2008, November). Neurophysiological dissociation of rule-based and information integration category learning mechanisms. Poster presented at the 49th Annual Meeting of the Psychonomic Society, Chicago, IL. http://www.morrisonlab.org/publications/morrisonetal_PNS_2008.pdf

Doumas, L.A.A., & **Morrison, R.G.**, & Richland, L.E. (2008, November). A computational account of the development of structured thought. Poster presented at the 49th Annual Meeting of the Psychonomic Society, Chicago, IL. http://www.morrisonlab.org/publications/doumasetal_PNS_2008.pdf

Thompson, G., **Morrison, R.G.**, Milne, C. & Holyoak, K.J. (2008, July). *Multi-faceted E-learning: Comparison of methods study #2*. Poster and Talk presented at the International Association of Medical Science Educators, Salt Lake City, UT.

Morrison, R.G., Reber, P., & Paller, K.A. (2008, May). *Using event-related potentials to dissociate category-learning mechanisms*. Poster presented at the Association for Psychological Science 20th Annual Convention, Chicago, IL.

- Morrison, R.G.**, Reber, P., & Paller, K.A. (2008, May). *Dissociation of rule-based and information integration category learning: An event-related potential approach*. Poster presented at the Cognitive Neurology & Alzheimer's Disease Center's Alzheimer's Day Poster Session, Chicago, IL.
- Morrison, R.G.**, Reber, P., & Paller, K.A. (2008, April). *Dissociation of rule-based and implicit category learning: An electrophysiological approach*. Poster presented at the Cognitive Neuroscience Society, San Francisco, California.
- Doumas, L.A.A., & **Morrison, R.G.** (2007, November). *Modeling process differences in implicit and explicit category learning: A symbolic-connectionist approach*. Poster presented at the 48th Annual Meeting of the Psychonomic Society, Long Beach, California.
http://www.morrisonlab.org/publications/doumas_morrison_PNS_2007.pdf
- Morrison, R.G.**, Doumas, L.A.A., & Richland, L. (2007, November). *Cross Cultural Cognitive Differences in Analogical Reasoning: A Computational Account*. Poster presented at the 48th Annual Meeting of the Psychonomic Society, Long Beach, California.
http://www.morrisonlab.org/publications/morrison_doumas_richland_PNS_2007.pdf
- Morrison, R.G.**, Doumas, L.A.A., & Richland, L. (2007, November). *Inhibition vs. Relational Knowledge constraints in Children's Analogical Reasoning: A symbolic-connectionist approach*. Poster presented at the Fifth Biennial Meeting of the Cognitive Development Society, Santa Fe, New Mexico.
http://www.morrisonlab.org/publications/morrison_etal_CDS_Poster_2007.pdf
- Morrison, R.G.** (2006, November). *Beyond the passive video experience: Challenges for research on new approaches in video for psychology education*. Paper presented 36th Meeting of the Society for Computers in Psychology, Houston, Texas.
- Morrison, R.G.**, Doumas, L.A.A., & Richland, L.E. (2006, July). *The development of analogical reasoning in children: A computational account*. Paper presented at the Twenty-ninth Annual Conference of the Cognitive Science Society, Vancouver, Canada.
- Thompson, G., **Morrison, R.G.**, Holyoak, K.J. & (2006, June). *Evaluation of an Online Analogical Patient Simulation Program*. Paper presented at the IEEE International Symposium on Computer-Based Medical Systems: Advances in Medical Simulation, Salt Lake City, Utah.
- Morrison, R.G.**, Lu, H., Holyoak, K.J., & Hummel, J.E. (2005, November). *Asynchronous priming in the gamma band facilitates discrimination of Kanizsa-type forms*. Poster presented at the 46th Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Thompson, G., **Morrison, R.G.**, & Holyoak, K.J. (2005, June). *Medulator™ analogical reasoning study: Evaluation of an online case-based learning tool*. Talk presented by Gregory Thompson at the Slice of Life conference sponsored by the Academy of American Medical Colleges, Portland, OR.
- Morrison, R.G.** (2005, May). *Retrieval*. Invited presentation at the 17th Annual American Psychological Society Conference, Los Angeles, CA.
- Morrison, R.G.**, & Bergman, C.E. (2005, May). *Analogy into the world: Cuing learning in everyday life using narrative film*. Poster presented at the Teaching Institute of the 17th Annual American Psychological Society Conference, Los Angeles, CA.

http://www.morrisonlab.org/publications/morrison_bergman_APS_2005.pdf

Richland, L.E., **Morrison, R.G.**, & Holyoak, K.J. (2004, November). *Development of Analogical Reasoning: Inhibitory Control and Working Memory*. Poster presented at the 45th Annual Meeting of the Psychonomic Society, Minneapolis, MN.

Richland, L.E., **Morrison, R.G.**, & Holyoak, K.J. (2004, August). *Developmental Change in Analogical Reasoning: Evidence from a Picture-Mapping Task*. Talk read by Lindsey Richland at the Twenty-seventh Annual Conference of the Cognitive Science Society, Chicago, IL.

Richland, L.E., **Morrison, R.G.**, & Holyoak, K.J. (2003, October). Working memory and inhibition constraints on children's analogical reasoning. Poster presented at the 3rd Annual Meeting of the Cognitive Development Society, Park City, UT.

Morrison, R.G., Viskontas, I., & Hummel, J. (2003, April). *A computational account of working memory and inhibition changes in analogical reasoning during normal aging*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY.

Krawczyk, D., **Morrison, R.G.**, Holyoak, K.J., Chow, T.W., Mendez M., & Knowlton, B.J., (2003, April). *The role of prefrontal cortex in inhibiting competing perceptual and semantic information in relational reasoning*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY.

Morrison, R.G., Holyoak, K.J., Ash, A., & Erickson, E. (2002, November). *The role of working memory in analogical reasoning*. Talk read by Keith Holyoak at the Annual Meeting of the Psychonomic Society, Kansas City, MO.

Stevens, G., **Morrison, R.G.**, & Stark, R. (2002, November). *Neural-network model of a directed forgetting working memory task*. Poster presented at the Annual Meeting of the Psychonomic Society, Kansas City, MO.

Morrison, R.G., Hummel, J., & Holyoak, J. (2002, April). *A computational account of working memory and inhibition in analogical reasoning*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, California.

Krawczyk, D., **Morrison, R.G.**, Holyoak, K.J., Chow, T.W., Miller, Bruce L., & Knowlton, B.J., (2002, April). *Analogical reasoning and inhibition in prefrontal cortex*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, California.

Morrison, R.G., Macdonald, J.W., & Bjork, R.A. (2001, November). *Active suppression in the management of working memory*. Poster presented at the Annual Meeting of the Psychonomic Society, Orlando, FL.

Morrison, R.G., Holyoak, K.J., & Truong, B. (2001, August). *Working memory modularity in analogical reasoning*. Talk delivered at the Twenty-third Annual Conference of the Cognitive Science Society, Edinburgh, UK.

Krawczyk, D., **Morrison, R.G.**, Holyoak, K.J., Chow, T.W., Miller, Bruce L., & Knowlton, B.J., (2001, March). *Reasoning about picture analogies in prefrontal cortex*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY.

Morrison, R.G., Krawczyk, D., Holyoak, K.J., Chow, T.W., Miller, Bruce L., & Knowlton, B.J., (2001, March). *Semantic inhibition and analogical reasoning in human prefrontal cortex*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY.

Morrison, R.G., Holyoak, K.J., & Spellman, B.A. (2000, August). Analogical priming in a word naming task. Poster presented at the Twenty-second Annual Conference of the Cognitive Science Society, Philadelphia, PA.

Morrison, R.G., Krawczyk, D., Knowlton, B.J., Holyoak, K.J., Boone, K.B., Chow, T., & Mishkin, F.S. (2000, March). *Relational reasoning and semantic inhibition in human prefrontal cortex*. Poster presented at the 10th Annual Rotman Research Institute Conference, Toronto, Ontario.

Allen, P.A., Pickle, J., Lien, M-C, Groth, K., & **Morrison, R.G.** (1997, November). *A Three-Stream Model of Visual Word Recognition*. Paper presented at the Annual Meeting of the Psychonomic Society, Philadelphia, PA.

H. Invited Lectures

Morrison, R.G. (2009). *Reasoning with memory: Neuropsychological, neuroimaging, developmental and computational evidence*. Psychology Department, Loyola University, March 16.

Morrison, R.G. (2009). *How does analogy work? Neurocognitive, Developmental and Computational Evidence*. Psychology Department, Hope College, February 11.

Morrison, R.G. (2008). *Neural dissociations in category learning: An event-related potential approach*. Northwestern University Interdisciplinary Neuroscience Retreat, September 9.

Morrison, R.G. (2008). *Dissociation of rule-based and information integration category learning: An event-related potential approach*. Mechanisms of Aging and Dementia Training Day. Northwestern University Medical School, March 13.

Morrison, R.G. (2007). *Concourse: An interdisciplinary discussion*. School of the Art Institute of Chicago, May 13.

Morrison, R.G. (2007). *Analogical reasoning in working memory: Developmental, neurocognitive and computational evidence*.

Psychology Department, Macalester College, March 22

Psychology Department, St. Lawrence University, February 8

Psychology Department, Columbia University, January 30

Psychology Department, Kalamazoo College, January 23

Cognitive Science Department, Case Western Reserve University, January 16

Psychology Department, Union College, January 11

Psychology Department, College of the Holy Cross, December 11, 2006

Morrison, R.G. (2006). *Digital video and artificially intelligent multimodal expert systems: Training and teaching applications in psychology*. Respondent. Society for Computers in Psychology, Houston, TX. November 16.

Morrison, R.G. (2006). *Analogical reasoning in working memory: Developmental, neurocognitive and computational evidence*. Psychology Department, University of Illinois at Urbana-Champaign, Urbana IL. September 22.

Morrison, R.G. (2005). *Analogical Reasoning: From neurocognition to education*. Psychology Department, University of Illinois at Chicago, Chicago IL. November 7.

Morrison, R.G. (2005,). *Retrieval*. 17th Annual American Psychological Society Conference, Los Angeles, CA. May 27.

Morrison, R.G. (2005). *New concepts in educational media: The use of story-based film in teaching science*. Communications Department, North Park University, Chicago, IL. February 8.

Morrison, R.G. & Krawczyk, D.C. (2003). *Reasoning and problem solving in the human brain*. Frontotemporal Dementia Clinic and Research Program, University of Southern California, Rancho Los Amigos, CA. January 4.

Morrison, R.G. (2001). *Working memory and analogical reasoning in human prefrontal cortex*. Cognition and Brain Unit, MRC, Cambridge University, Cambridge, UK. August 16.

Morrison, R.G. (2001). *Working memory and inhibition in analogical reasoning*. Department of Cognitive Science, University of California, Irvine, Irvine, CA. November 28.

I. Editorial Activities

Holyoak, K.J., & Morrison, R.G. (Eds.) *The Cambridge handbook of thinking and reasoning*. Cambridge, UK: Cambridge University Press.

Ad Hoc Reviewer or Commentator for the following peer-reviewed publications:

Behavioral and Brain Sciences

Brain Research

Cambridge University Press (Books)

Cognitive Psychology

Journal of Cognitive Neuroscience

Journal of Experimental Child Psychology

Journal of Experimental Psychology: General

Journal of Experimental Psychology: Learning, Memory, & Cognition

Memory & Cognition

Neuropsychologia

Neuroscience

Oxford University Press (Books)

Proceedings of the Cognitive Science Society

Thinking & Reasoning

J. Teaching Experience

Loyola University Chicago; Department of Psychology—Assistant Professor

Psychology 314: Experimental Psychology – Cognition – syllabus available on request

School of the Art Institute of Chicago; Liberal Arts Department – Adjunct Professor

Behavior & Genetics – Syllabus and Student Evaluations available on request

Understanding how genetics influences our mind and behavior has progressed more in the last ten years than in the rest of human history combined and the pace continues to accelerate. This rapid progress necessitates that every human being understand their genetic organization and its implications at a much more advanced level to be able to make important personal, reproductive, medical, political and ethical decisions in the future. Using primary and secondary scientific literature as well as readings from the popular press reading this course provides an introduction to the molecular and

quantitative methods of contemporary behavioral genetics, a field at the crossroads of biology, cognitive science, neuroscience, and psychology. The also provides an introduction to psychological measurement. I taught this course during Spring 2007.

Psychology of Creativity – Syllabus and Student Evaluations available on request

During the last eighty years psychologists have explored the traits and processes that help people be creative. Drawing on cognitive, social and personality psychology as well as neuroscience, this course surveys a variety of different models of creativity. We consider both artistic and scientific creativity, making extensive use of primary and secondary literature and both feature and documentary film to encounter creators and their products directly. Students reflect on their own creative processes via both writing and creative production. I taught this course during Spring 2008.

University of California, Los Angeles; Psychology Department – Teaching Associate/Assistant
Psychology 120: Core Class in Cognitive Psychology.

Responsible for weekly lectures, exam design, grading and advising for 100 students.

Mean Student Evaluation Ratings: 8.10 (9.00 maximum rating) (Simon/Cheng, 1999)

Psychology 121: Laboratory in Cognitive Psychology .

Responsible for syllabus design, lecturing, grading and student supervision.

Created student's guide to the SuperLab™ program.

My mean Student Evaluation Ratings: 8.09 (9.00 maximum rating)

(Holyoak, 1999; Livesay, 1999; Holyoak, 2000; Holyoak, 2001)

K. Students Supervised

Loyola:

Meghan Colet†

Liz Tominello†

Jana Wingot†

Undergraduate*

Graduate†

UCLA/Xunesis/Northwestern:

Alex Antoniu, Arden Ash, Arun Bahl, Jennifer Behrman, Ilya Bendich, Donna Birch, Angela Chan, Courtney Clark, Ian Dorish, Sarah Duni, Erik Erickson, Karen Fox, Robin Gruver, Laura Ha, Chris Hall, Billy Huang, Francesqca Jimenez, Genna Kersten, Amanda Kowolski, Winston Kwong, Suh-Kyung Lee, Jeff Loeffelholz, Krystal Long, James MacDonald, Makoto Otsuka, Steven Pranoto, Scott Rosnick, Tannaz Sassoni, Maria Selah, Ji Son, Roshawn Stanisai, Leah Swalley, Angie Thornton, Bao Truong, Ofillio Vigil, Christine Vu.

L. Service Activities

Northwestern University

One Northwestern Initiative – Post-Doctoral representative on the Centers subcommittee

One Northwestern was an initiative aimed at examining the entire structure of the life and biomedical sciences at Northwestern and making recommendations to transform it to meet the needs of the 21st century. The “Centers, Institutes, and Departments Committee” was charged with finding ways to foster cross department collaboration, enabling faculty and students to be fully engaged and to reach their potential within an institution that places great value on science excellence and innovation. Partly due to my record of successful collaboration, I was nominated to serve on this committee for one year as the sole Post-Doctoral representative amongst the participating faculty and administrators from a variety of different Northwestern departments.

University of California, Los Angeles

Redesign of UCLA Cognitive Psychology Laboratory

While a graduate student at UCLA, I served on a committee charged with redesigning the cognitive teaching laboratory in Franz Hall. This involved acting as a consultant in the design of a 21 computer networked facility driven off of a common network server. The system allowed for quick deployment of laboratory experiments across all of the laboratory computers. Integrated software included SuperLab, MatLab, and SPSS as well as a variety of programming environments used for Computational Modeling courses. I was chosen to be a part of the committee because of my past experience in research management, experience with maintaining a 15 computer cognitive laboratory and also because of my extensive experience as a teaching assistant in the cognitive laboratory.

L. Graduate Advisor

Keith J. Holyoak-University of California, Los Angeles

M. Post-Doctoral Advisor

Ken A. Paller – Northwestern University

N. References

Keith J. Holyoak, PhD*
Distinguished Professor
University of California, Los Angeles
Department of Psychology
310-206-1646
holyoak@lifesci.ucla.edu

John E. Hummel, PhD*
Professor
University of Illinois, Urbana/Champaign
Department of Psychology
217-265-6090
jehummel@cyrus.psych.uiuc.edu

Barbara J. Knowlton, PhD*
Professor
University of California, Los Angeles
Department of Psychology
310-825-5917
knowlton@psych.ucla.edu

Robert A. Bjork, PhD*
Distinguished Professor and Chair
University of California, Los Angeles
Department of Psychology
310-825-57028
rabjork@psych.ucla.edu

Ken A. Paller, PhD*
Professor of Brain, Behavior, & Cognition
Director, Cognitive Neuroscience Program
Northwestern University
847-467-3370
kap@northwestern.edu

Paul J. Reber, PhD*
Associate Professor, Psychology
Northwestern University
847-467-1624
preber@northwestern.edu

Elizabeth Wright, PhD
Associate Professor of Liberal Arts
School of the Art Institute of Chicago
312-345-3764
ewright@saic.edu

Michael Rogalski
President, Board of Directors
Xunesis
773-791-5874
mrogals@sbcglobal.net

*Recommendation letters available on request.

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