

## Curriculum Vitae

Keith Allen Hutchison

### **EDUCATION**

Postdoctoral Research Associate, Cognitive Psychology Laboratory, Dept. of Psychology, Washington University, St. Louis, MO.

Ph.D. Cognitive Psychology (2001), State University of New York, Albany, NY.

M.A. Psychology: Research Option (1996), California State University, Long Beach, CA.

B. A. Psychology (1994), California State University, Long Beach, CA.

### **PROFESSIONAL EMPLOYMENT**

2011-present: Graduate Program Coordinator, Department of Psychology, Montana State University.

2010-2011: Interim Chair, Department of Psychology, Montana State University.

2009-present: Associate Professor of Psychology, Montana State University.

2003-2008: Assistant Professor of Psychology, Montana State University.

2001-2003: Postdoctoral Research Associate with Dr. David Balota, Cognitive Psychology Laboratory, Dept. of Psychology, Washington University, St. Louis.

1997-2001: Graduate Research Assistant for Dr. James Neely and Dr. W. Trammell Neill, University at Albany, State University of New York.

### **HONORS AND AWARDS**

Psi Chi Association "Professor of the year" award, Montana State University (2004-05).

William Battig Memorial Lecturer. Rocky Mountain Psychological Association Annual Meeting (2006).

Student-Nominated for MSU President's Excellence in Teaching Award, 2011.

Nominated for Provosts Award for Undergraduate Research/Creativity Mentoring, 2011.

### **RESEARCH INTERESTS**

Attention, explicit and implicit memory, language, cognitive effects of aging and Alzheimer's disease.

### **GRANT ACTIVITY**

#### **External Funding**

2006-2009                      National Science Foundation, Lead-PI: *The construction and utility of a large-scale*

2009-2010	<i>semantic priming database.</i> NSF Supplemental Funding Awarded	\$223,143 \$5,302
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### **Internal Funding**

Fall, 2011	MSU Research Enhancement Award	\$1,243
Fall, 2009	MSU Research Enhancement Award.	\$1,370
2008-2009	MSU Research and Creativity Award, CO-PI: <i>Memory and Aging Project</i>	\$3,000
Fall, 2007	MSU Research Enhancement Award.	\$1,187
Fall, 2006	MSU Research Enhancement Award.	\$1,084
Spring, 2006	MSU Research Enhancement Award.	\$ 833
Fall, 2005	MSU Research Enhancement Award.	\$1,093
Spring, 1999	Graduate Research Initiative, SUNY: Albany.	\$500
<b>Funded Grant Total:</b>		<b>\$238,755</b>

### **Non-funded Grants and Grants under Review**

2011 (under review)	Society for Industrial and Organizational Psychology, Co-PI: <i>Predicting employee Performance with less adverse impact: A Shortened executive attention battery</i>	\$7,500
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## **PUBLICATIONS**

### **Articles in Peer-Reviewed Journals**

Bugg, J. & Hutchison, K.A. (in press). Converging Evidence for Control of Color-Word Stroop Interference at the Item Level. *Journal of Experimental Psychology: Human Perception and Performance*.

Huff, M.J., Coane, J., Hutchison, K.A., Grasser, E.B., & Blais, J.E. (in press). Interpolated task effects on direct and mediated false recognition: Effects of initial recall, recognition, and the ironic effect of guessing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.

Hutchison, K.A., Smith, J.L., & Ferris, A. (in press). Goals can be threatened to extinction: Stereotype threat, working memory capacity, and proportion congruence effects in the Stroop task. *Social Psychology and Personality Science*.

Hutchison, K.A. (2011). The interactive effects of list-based control, item-based control, and working memory capacity on Stroop performance. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37, 851-860.

- Tse, C-S, Hutchison, K.A., & Li, Y. (2011). Effects of contextual similarity and target-repetition proportion on negative priming in RT distributional analyses. *Journal of Experimental Psychology: Human Perception and Performance*, *37*, 180-192.
- Huff, M.J., & Hutchison, K.A. (2011). The effects of mediated word lists on false recall and recognition. *Memory & Cognition*, *39*, 941-953.
- Huff, M.J., Meade, M.L., & Hutchison, K.A. (2011). Age-related differences in guessing on free and forced recall tests. *Memory*, *19*, 317-330.
- Hutchison, K. A., Balota, D. A., & Duchek, J. M. (2010). The utility of Stroop task switching as a marker for early stage Alzheimer's Disease. *Psychology and Aging*, *25*, 545-559.
- Balota, D. A., Tse, C. S., Hutchison, K.A., Spieler, D.H., Duchek, J.M., & Morris, J.C. (2010). Predicting conversion to dementia of the Alzheimer's type in a healthy control sample: The power of Stroop performance. *Psychology and Aging*, *25*, 208-218.
- Meade, M. L., Hutchison, K. A., & Rand, K. (2010). Effects of delay and number of related list items on implicit activation for DRM critical items in a speeded naming task. *Journal of Memory and Language*, *62*, 302-310.
- Hutchison, K. A., Balota, D. A., Cortese, M., & Watson, J. M. (2008). Predicting semantic priming at the item-level. *Quarterly Journal of Experimental Psychology*, *61(7)*, 1036-1066.
- Balota, D. A., Yap, M. J., Cortese, M. J., Hutchison, K.A., Kessler, B., Loftus, B., Neely, J. H., Nelson, D. L., Simpson, G. B., & Treiman, R. (2007). The English lexicon project: A user's guide. *Behavior Research Methods*, *39* (3), 445-459.
- Bengson, J. J. & Hutchison, K. A. (2007). Variability in response criteria affects estimates of conscious identification and unconscious semantic priming. *Consciousness and Cognition*, *16*, 785-796.
- Castel, A. D., Balota, D. A., Hutchison, K. A., Logan, J. M., & Yap, M. J. (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(2)*, 170-182.
- Hutchison, K. A. (2007). Attentional control and the relatedness proportion effect in semantic priming. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *33(4)*, 645-662.
- Hutchison, K. A., & Bosco, F.A. (2007). Congruency effects in the letter search task: Semantic activation in the absence of priming. *Memory and Cognition*, *35* (3), 514-525.

- Hutchison, K. A., & Balota, D. A. (2005). Decoupling semantic and associative information in false memory: Explorations with semantically ambiguous and unambiguous critical lures. *Journal of Memory and Language*, 52, 1-28.
- Hutchison, K. A., Neely, J. H., Neill, W. T., & Walker, P. (2004). Lexical and sub-lexical contributions to unconscious identity priming. *Consciousness and Cognition*, 13(3), 512-538.
- Hutchison, K. A. (2003). Is semantic priming due to association strength or feature overlap? A micro-analytic review. *Psychonomic Bulletin and Review*, 10(4), 785-813.
- Hutchison, K. A., & Balota, D. A. (2003). Structure vs. processing deficits in Alzheimer's disease: A matter of degree. *Neuropsychology*, 17(2), 306-309.
- Hutchison, K. A. (2002). The effect of asymmetrical association on positive and negative semantic priming. *Memory and Cognition*, 30(8), 1263-1276.
- Neill, W. T., Hutchison, K. A., Graves, D. F. (2002). Masking by object substitution: Dissociation of masking and cuing effects. *Journal of Experimental Psychology: Human Perception and Performance*, 28, 682-694.
- Neill, W. T., Neely, J. H., Hutchison, K. A., Kahan, T. H., & VerWys, C. A. (2002). Repetition blindness, forward and backward. *Journal of Experimental Psychology: Human Perception & Performance*, 28, 137-149.
- Hutchison, K. A., Neely, J. H., & Johnson, J. D. (2001). With great expectations, can two "wrongs" prime a "right"? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 27, 1451-1463.
- Johnson, J. D., Hutchison, K. A., & Neill, W. T. (2001). Attentional capture by irrelevant color singletons. *Journal of Experimental Psychology: Human Perception and Performance*, 27, 841-847.
- Hupka, R. B., Lenton, A. P., & Hutchison, K. A. (1999). Universal development of emotion lexicons in natural language. *Journal of Personality and Social Psychology*, 77, 247-278.

### **Book Chapters**

- Balota, D. A., Yap, M. J., Hutchison, K.A., & Cortese, M. J.. (in press). Megastudies: Large scale analysis of lexical processes. In James S. Adelman (Ed). *Visual word recognition*.

### **Manuscripts under Review**

Buchanan, E. M., Holmes, J. L., Teasley, M. L., & Hutchison, K. A. *An Expanded Set of Semantic Feature Production Norms for 1,808 Words along with a Searchable Web Portal.*

Hutchison, K. A., Neely, J.H. & O'Connor, P.A (Revise and resubmit). *Relatedness Proportion Effects in Semantic Priming Occur Even for Relatedness Proportions Below .25.*

Hutchison, K.A. *Attentional control and blocked versus randomized RP effects in semantic priming.*

### **Manuscripts in Preparation**

Hutchison, K. A., Balota, D. A., Neely, J. H., Cortese, M., Cohen-Shikora, E., Yap, M., & Tse, C-S. *The Semantic Priming Project.*

Hutchison, K.A. *Attentional control and selection of lexical versus sublexical processing pathways.*

Huff, M.J., & Hutchison, K.A. *Gist extraction processes influence DRM false memories on delayed, but not immediate tests.*

Hutchison, K.A., & Davis, S. A. *Two-step priming across unambiguous and ambiguous mediating links.*

Rand, K. & Hutchison, K. A. *The Role of Cue Familiarity in Prospective Memory Performance: Age and False Fame Effects.*

Winward, S., Hutchison, K. A., Thomas, M., & Neely, J. H. *Attentional Control and Asymmetric Priming.*

### **Invited Lectures**

Hutchison, K. A. (2011, February). *Frontal Lobe Contributions to Cognition.* Invited talk for Mt. Ellis Academy: Bozeman, MT.

Hutchison, K. A. (2010, October). *How do List Context and Attentional Control Influence Word Recognition and Stroop Color Naming Performance in Young Adults?* Invited talk for Colby College: Lewiston, ME.

Hutchison, K. A. & Meade, M. L. (2009, February). *Memory and Aging: Implications for Improving Memory Performance Among Older Adults.* Invited talk for Aspen Pointe Senior Living Facility: Bozeman, MT.

Hutchison, K. A. & Meade, M. L. (2007, August). *An Overview of Memory and Aging*. Bozeman Senior Center: Bozeman, MT.

Hutchison, K. A. (2006, April). *Attentional Control and the Semantic Priming Effect*. Ellis-Battig Memorial invited presentation at the Rocky Mountain Psychological Association convention: Park City, UT.

Hutchison, K. A. (2002, December). *Semantic Priming in the 21<sup>st</sup> Century: Using Word Associations to Test Theories of Attention, Language, and Memory*. Invited talk for University of South Carolina: Columbia, SC.

### **Conference Presentations**

Beck, B. & Hutchison, K.A. (2012, March). *Subliminal Stroop: A dual account of the subconscious*. To-be-presented at the National Conference on Undergraduate Research, Ogden, UT.

Ferris, A. C., Smith, J. L., & Hutchison, K.A. (2012, January). *Stop interfering! Understanding how stereotype threat reduces working memory capacity by examining dual mechanisms of control*. Poster to-be-presented at the Society for Personality and Social Psychology conference, San Diego, CA.

Hutchison, K. A., Balota, D. A., Neely, J. H., Cortese, M., Cohen-Shikora, E., Yap, M., Tse, C-S (2011, November). *The semantic priming project: A mega-study*. Talk presented at the Psychonomic Society conference, Seattle, WA.

Bugg, J. & Hutchison, K.A. (2011, November). *Converging evidence for item-specific control of color-word Stroop interference*. Talk presented at the Psychonomic Society conference, Seattle, WA.

Coane, J. Huff, M. J., & Hutchison, K. A. (2011, November). *Cry me a beaver: False memory for mediated and direct word lists*. Poster presented at the Psychonomic Society conference, Seattle, WA.

Winward, S., Hutchison, K. A., Thomas, M., & Neely, J. H. (2011, November). *Attentional control and asymmetric Priming*. Poster presented at the Psychonomic Society conference, Seattle, WA.

Hutchison, K. A., Balota, D., & Duchek, J. (2011, June). The utility of Stroop task switching as a marker for early stage Alzheimer's Disease. Talk presented at the International Conference on Social Sciences, Honolulu, HI.

Winward, S., & Hutchison, K. A. (2011, April). *Attentional control and asymmetric priming*. Poster presented at the Rocky Mountain Psychological Society conference, Salt Lake City, UT.

Huff, M. J., & Hutchison, K. A. (2010, November). *The effects of mediated word lists on false recall and recognition*. Poster presented at the Psychonomic Society conference, St. Louis, MO.

Hutchison, K. A. & Davis, S. D. (2010, November). *Testing mediated priming using ambiguous and unambiguous mediators: Will “kidney” prime “piano?”* Poster presented at the Psychonomic Society conference, St. Louis, MO.

Hutchison, K. A. (2009, November). *Effects of contingency learning and working memory capacity on Stroop proportion congruence effects*. Talk presented at the Psychonomic Society conference, Boston, MA.

Huff, M.J., Meade, M.L., & Hutchison, K.A. (2009, November). *Differential response biases between older and younger adults on recall tests*. Poster presented at the Psychonomic Society conference, Boston, MA.

Rand, K. & Hutchison, K. A. (2009, November). *The role of cue familiarity in prospective memory performance: Age and false fame effects*. Poster presented at the Psychonomic Society conference, Boston, MA.

Tse, C-S, Hutchison, K.A., & Li, Y. (2009, November). *Evidence for episodic retrieval in negative priming revealed by RT distributional analyses*. Poster presented at the Psychonomic Society conference, Boston, MA.

O'Connor, P.A., Hutchison, K. A., & Neely, J.H. (2008, November). *Relatedness proportion effects in semantic priming occur even for relatedness proportions below .25*. Poster presented at the Psychonomic Society conference, Chicago, IL.

Meade, M. L., Hutchison, K. A., & Rand, K. (2008, November). *Effects of delay and additivity on implicit activation for DRM critical items in a naming task*. Poster presented at the Psychonomic Society conference, Chicago, IL.

Hutchison, K. A. (2007, November). *Attentional control, relatedness proportion, and target degradation effects on semantic priming*. Talk presented at the Psychonomic Society conference, Long Beach, CA.

Hutchison, K. A., & Freuen, M (2007, November). *Support for a dual process model of prospective memory: Effects of memory load, working memory capacity, and asymmetrically associated lures*. Poster presented at the Psychonomic Society conference, Long Beach, CA.

Bengson, J. J., & Hutchison, K. A. (2006, November). *Variability in response criteria affects estimates of conscious identification and semantic exclusion failure*. Poster presented at the Psychonomic Society conference, Houston, TX.

Lambert, A. E., Shipstead, Z., & Hutchison, K. A. (2006, November). *Duration and Warning work independently to reduce false memory in DRM and Homograph lists*. Poster presented at the Psychonomic Society conference, Houston, TX.

Balota, D. A., Hutchison, K. A., & Duchek, J. M. (2006, April). *APOE status and attentional control in non-demented healthy older adults*. Poster presented at the bi-annual conference of Cognitive Aging Research, Atlanta, GA.

Castel, A. D., Balota, D. A., Hutchison, K. A., Logan, J. M., & Yap, M. J. (2006, April). *Attention and response control impairments in Aging and Alzheimer's Disease*. Poster presented at the bi-annual conference of Cognitive Aging Research, Atlanta, GA.

Hutchison, K. A. (2005, November). *Attentional control and the relatedness proportion effect in semantic priming*. Talk presented at the Psychonomic Society conference, Toronto, ON.

Bosco, F. A., Block, R. A., & Hutchison, K. A. (2005, April). *Dual-task interference during incidental and intentional memory encoding*. Poster presented at the annual conference of the Western Psychological Association, Portland, OR.

Balota, D. A., Hutchison, K. A., Yap, M., Cortese, M., Neely, J. H., Nelson, D., Simpson, G., Treiman, R. (2003, November). *The English lexicon project: A web-based repository for 40,481 English words and nonwords*. Talk presented at the Psychonomic Society conference, Vancouver, BC.

Hutchison, K. A. (2002, November). *The effect of asymmetrical association on positive and negative semantic priming*. Poster presented at the Psychonomic Society conference, Kansas City, MO.

Hutchison, K. A. & Balota (2002, November). *Dreaming of semantics in false recall*. Poster, presented at the Psychonomic Society conference, Kansas City, MO.

Hutchison, K. A., Neely, J. H., Neill, W. T., & Walker, P. (2002, May). *Unconscious orthographic and phonological codes in an "Exclusion" task*. Talk presented at the "Show Me" conference, St. Louis, MO.

Hutchison, K. A., Neely, J. H., Neill, W. T., & Walker, P. (2002, May). *Lexical and sub-lexical contributions to unconscious priming*. Talk presented at the Midwestern Psychological Association conference, Chicago, IL.

Graves, D. F., Hutchison, K. A., & Neill, W. T. (2002, May). *Masking by Object Substitution: Effects of Spatial Overlap*. Poster presented at the Midwestern Psychological Association conference, Chicago, IL.

Neely, J. H., Hutchison, K. A., & Johnson, J. D. (2001, November). *Effects of prime repetition on forward and backward priming in lexical decision and pronunciation tasks*. Talk presented at the Psychonomic Society conference, Orlando, FL.

Neill, W. T., Graves, D. F., & Hutchison, K. A. (2000, November) *Masking by object substitution: Dissociation of masking and cuing effects*. Talk presented at the Psychonomic Society conference, New Orleans, LA.

Karekla, M., Finlay, C. G., Limbird, C., Forsyth, J. P., & Hutchison, K. (2000, November). *Increasing the complexity of differential fear conditioning and its effects on threat-biased processing: Unearthing the causes of Stroop interference*. Talk presented at the 33rd annual meeting of the Association for Advancement of Behavior Therapy, New Orleans, LA.

Karekla, M., Finlay, C. G., Limbird, C., Forsyth, J. P., Hutchison, K. (2000, November). *Effects of differential fear conditioning on threat-biased processing*. Talk presented at the 33rd annual meeting of the Association for Advancement of Behavior Therapy, New Orleans, LA.

Hutchison, K., Neely, J. H., & Johnson, J. D. (2000, May) *With great expectations, can two "wrong"s prime a "right"?* Poster presented at the annual conference of the Midwestern Psychological Association, Chicago, Ill.

Neely, J. H., Johnson, J. D., Neill, W. T., & Hutchison, K. A. (1999, November) *Is there memory to be found in "false memory"?* Talk presented at the Psychonomic Society conference, Los Angeles, CA.

Altarriba, J. A., Bauer, L. M., & Hutchison, K. A. (1998, November) *Evidence for a circular model of emotion word representation?* Poster presented at the Psychonomic Society conference, Dallas, TX.

Hutchison, K. A., & Smith, S. (1997, April). *Judgments of knowledge: effects of accessibility of information, confidence, and group membership on estimates of what other people know*. Poster presented at the annual conference of the Western Psychological Association, Seattle, WA.

Smith, W., & Hutchison, K. A. (1997, April). *Self monitoring and perceived self discrepancies across situations*. Poster presented at the annual conference of the Western Psychological Association, Seattle, WA.

### **COURSES TAUGHT**

Cognitive Processes (graduate seminar)

Memory and Cognition

Psychology of Language

Psychology of Prejudice

Research Design and Analysis II

Senior Thesis

Sensation & Perception

## **REVIEWING AND EDITING**

### **Editorial Board:**

2012-current: Journal of Experimental Psychology: Learning, Memory & Cognition

### **Reviewer for articles submitted to:**

Acta Psychologica; Clinical Neurophysiology; Consciousness & Cognition; Dementia and Geriatric Cognitive Disorders; European Journal of Cognitive Psychology; Journal of Abnormal Psychology; Journal of Cognitive Neuroscience; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Learning, Memory, & Cognition; Journal of Experimental Psychology: Human Perception and Performance; Journal of Memory and Language; Journal of the International Neuropsychological Society; Memory & Cognition, Memory; Neuropsychologia; Psychological Review; Psychological Science; Psychology and Aging; Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology; Journal of Cognitive Psychology.

**External Dissertation Committee Member:** Susan Stevens-Adams, University of New Mexico. Dissertation entitled, "Predicting Individual Differences in False Memory". Spring 2011

**Grant Proposal Reviewer:** National Science Foundation, 2005, 2011

## **DEPARTMENTAL AND UNIVERSITY SERVICE**

### **Positions**

Graduate program coordinator, 2011-present  
Interim chair, department of Psychology 2010-2011  
Subject pool coordinator 2005-2010  
Director for Psi Chi, undergraduate honors society 2006-2007

### **Committees**

Promotion and tenure committee chair 2011-2012  
Promotion and tenure committee chair 2010-2011  
Department chair search committee member 2008  
Department faculty search committee member 2005  
Department faculty search committee member 2004

### **Master's thesis supervisor**

Jesse Bengson, Montana State University, 2003-2005  
Ann Lambert, Montana State University, 2004-2006  
Zach Shipstead, Montana State University, 2005-2007  
Kristina Rand, Montana State University, 2007-2009  
Shelly Winward, Montana State University, 2010-2012 (estimated)  
Chad Moffitt, Montana State University, 2011-2013 (estimated)

**PROFESSIONAL MEMBERSHIP**

American Psychological Association

American Psychological Society

Psychonomic Society