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## Kenneth J. Malmberg III

Department of Psychology  
University of South Florida  
4202 East Fowler Ave., PCD 4118G  
Tampa, FL 33620-7200

(813) 420-8496

malmberg \*\* usf.edu

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### Academic Positions

- 2010 - Associate Professor, University of South Florida
- 2005 - 2010 Assistant Professor, University of South Florida
- 2003 - 2005 Assistant Professor, Iowa State University
- 2000 - 2003 NIMH Postdoctoral Fellow, Indiana University
- 1996 - 1999 Teaching Assistant/Instructor, University of Maryland

### Education

- Indiana University, Bloomington, postdoctoral, Cognitive Modeling
- University of Maryland at College Park, *Ph.D.*, 2000, Cognitive Psychology
- University of Minnesota at Duluth, *B.S.*, 1995, Computer Science
- University of Illinois at Urbana-Champaign, *B.S.*, 1989, Psychology

### Further Training

- USF Summer On-line Teaching Workshop, 2010
- USF NSF Innovation-CORP Graduate, Fall 2016 : Principle Investigator

### Honors and Awards

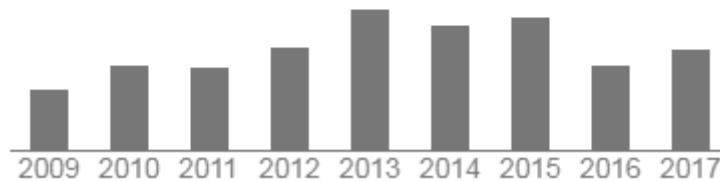
- 2004 New Investigator Award, **American Psychological Association**, Division 3:  
*Journal of Experimental Psychology: Learning, Memory, and Cognition*
- Member of the *Psychonomic Society*
- 2001 - 2003 National Institute of Mental Health NRSA Post-Doctoral Fellow  
Mathematical Modeling Training Grant to Indiana University

- 2000 - 2001 National Institute of Mental Health Individual NRSA Post-Doctoral Fellowship, Indiana University
- 1998 - 1999 Distinguished Teaching Assistant, University of Maryland

**Publications**

**Google Stats.**

Citation indices	All	Since 2012
Citations	1561	862
h-index	21	17
i10-index	23	22



Legend

\*\* = Masters Thesis

‡ = first-year graduate student project

% = Doctoral Thesis

**BOLD** = graduate student authors

**BOLD** = undergraduate student authors

1. Murnane, K., Phelps, M. P., & Malmberg, K. (1999). ICE: A theory of context dependent discrimination. *Journal of Experimental Psychology: General*, 128(4), 403-415.
2. Malmberg, K. J. (2002). On the form of ROCs constructed from confidence ratings. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 28(2), 380-387.
3. Malmberg, K. J. & Murnane, K. (2002). List composition and the word-frequency effect for recognition memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 28(4), 616-630.
4. Malmberg, K. J., Steyvers, M., **Stephens, J. D.**, & Shiffrin, R. M. (2002). Feature-frequency effects in recognition memory. *Memory & Cognition*, 30(4), 607-613.

5. Malmberg, K. J. & Nelson, T. O. (2003). The word-frequency effect for recognition memory and the elevated-attention hypothesis. *Memory & Cognition* 31(1), 35-43.
6. Malmberg, K. J., Zeelenberg, R., & Shiffrin, R.M. (2003) Modeling midazolam's effect on the hippocampus and recognition memory. in S. Becker, S. Thrun, and K. Obermayer (Eds.). *Advances in Neural Information Processing Systems 15*, MIT Press, 75-82.
7. Steyvers, M. & Malmberg, K. J. (2003). The effect of normative context variability on recognition memory, *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 29(5), 760-766.
8. Malmberg, K. J., **Holden, J. E.**, & Shiffrin, R. M. (2004). Modeling the effects of repetitions, similarity, and normative word frequency on judgments of frequency and recognition memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 30(2), 319-331.
9. Malmberg, K. J., Zeelenberg, R., & Shiffrin, R.M. (2004). Turning up the noise or turning down the volume? On the nature of the impairment of episodic recognition memory by midazolam. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 30(2), 540-549.
10. Sanborn, A. N., Malmberg, K. J., & Shiffrin, R. M. (2004). High-level masking effects on perceptual identification. *Vision Research*, 44(12), 1427-1436.
11. Malmberg, K. J. & Shiffrin, R. M. (2005). The “one-shot” hypothesis for context storage. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 31(2) 322-336.
12. ‡ Malmberg, K. J., **Lehman, M.**, & Sahakyan, L. (2006). On the Cost and Benefit of Taking it out of Context: Modeling the Inhibition Associated with Directed Forgetting, *Proceedings of the 28th Meeting of the Cognitive Science Society*, 549-554.
13. ‡ Malmberg, K.J. & **Xu, J.** (2006). The Influence of Averaging and Noisy Decision Strategies on the Recognition Memory ROC, *Psychonomic Bulletin & Review*, 13(1), 99-105.
14. Malmberg, K. J. & **Xu, J.** (2007). On the flexibility and on the fallibility of associative memory, *Memory & Cognition*. 35(3), 545-556
15. \*\***Xu, J.** & Malmberg (2007). Modeling the effects of verbal- and nonverbal-pair strength on associative recognition, *Memory & Cognition*. 35(3), 526-544.

16. Malmberg, K. J. (2008). Towards an understanding of individual differences in episodic memory: Modeling the dynamics of recognition memory. in A. Benjamin and B. Ross (Eds.) *The Psychology of Learning and Motivation: Skill and Strategy in Memory Use*. Vol. 48, 313-349.
17. Malmberg, K. J. (2008). Investigating metacognitive control in a global memory framework, in J. Dunlosky and R. E. Bjork (Eds.) *Handbook of Memory and Metacognition*, p. 265-284.
18. ‡ **Grieder, R. L.** & Malmberg, K. J. (2008). Discriminating Between Changes in Bias and Changes in Accuracy for Recognition Memory of Emotional Stimuli, *Memory & Cognition*, 36(5), 933-946.
19. Malmberg, K. J. (2008). Recognition Memory: A Review of the Critical Findings and an Integrated Theory for Relating Them. *Cognitive Psychology*, 57, 335-384.
20. Criss, A. H. & Malmberg, K. J. (2008). Evidence in favor of the early-phase elevated-attention hypothesis: The effects of object frequency and letter frequency, *Journal of Memory and Language*, 59, 331-345.
21. \*\***Lehman, M.** & Malmberg, K. J. (2009). A global theory of remembering and forgetting from multiple lists. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 35, 970-988.
22. **Lehman, M.** & Malmberg, K. J. (2011). Overcoming the effects of intentional forgetting. *Memory & Cognition*, 29(2), 335-347.
23. Criss, A. H., Malmberg, K.J., & Shiffrin, R.M. (2011). Output interference in recognition memory testing. *Journal of Memory and Language*, 64(4), 316-326.
24. ‡ Malmberg, K. J., & **Annis, J.** (2012). On the Relationship between Memory and Perception: Sequential dependencies in recognition testing. *Journal of Experimental Psychology: General*, 141(2), 233-259.
25. Malmberg, K. J., Criss, A. H., **Gangwani, T. H.**, & Shiffrin, R. M. (2012). Overcoming the Negative Consequences of Interference that Results from Recognition Memory Testing. *Psychological Science*, 23(2):115-119.
26. ‡**Westfall, H. A.** & Malmberg, K. J. (2013). Visual Search Enhances Subsequent Memory Search, *Memory & Cognition*, 41(2), 167-75.
27. %**Lehman, M.** & Malmberg, K. J. (2013). A Buffer Model of Encoding and Temporal Correlations in Retrieval, *Psychological Review*, 120(1):155-89.
28. **Annis, J.** Malmberg, K.J., Criss, A.H., & Shiffrin, R.M. (2013). Sources of

- Interference in Recognition Testing. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 39, 1365-1376.
29. **Lehman, M., Brinegar, K.**, Malmberg, K. J. (2013). Improving Memory after Environmental Context Change: A Strategy of “Preinstatement”. *Psychonomic Bulletin & Review*, 20, 528–533.
  30. **\*\*Annis, J.** & Malmberg, K. J. (2013). A model of positive sequential dependencies in judgments of frequency. *Journal of Mathematical Psychology*, 57(5), 225-236.
  31. Malmberg, K.J., Lehman, M., **Annis, J.**, Criss, A.H., & Shiffrin, R.M. (2014). Consequences of Testing Memory in B. Ross (Ed.) *Psychology of Learning & Motivation*. Vol 61, p. 285-313.
  32. Criss, A. H., Malmberg, K. J., & Townsend, J. T. (2014) Editors’ Forward for the special issue honoring WK Estes, *Journal of Mathematical Psychology*, 58, 105-106.
  33. Koop, G.J., Criss, A. H., Malmberg, K. J. (2015). The role of mnemonic processes in pure-target and pure-foil recognition memory., *Psychonomic Bulletin & Review*, 22(2), 509-16.
  34. **Annis, J., Lenes, J.G., Westfall, H.A.**, Criss, A.H., Malmberg, K.J. (2015). The List-Length Effect Does Not Discriminate Between Models of Recognition Memory, *Journal of Memory and Language*, 85, 27-41.
  35. Malmberg, K. J. (2016). Recent developments in global-matching models of episodic memory. *American Journal of Psychology*, 129 (2), 206-211.
  36. Kamp, S.-M., Lehman, M., Malmberg, K. J., & Donchin, E. (2016). A Buffer Model Account of Behavioral and ERP Patterns in the Von Restorff Paradigm. *AIMS Neuroscience*, 3 (2): 181-202, DOI: 10.3934/Neuroscience.2016.2.181
  37. Kellen, D., Erdfelder, E., Malmberg, K.J., Dube, C., Criss, A.H. (2016). The Ignored Alternative: An Application of Luce's Low-threshold Model to Recognition Memory. *Journal of Mathematical Psychology*, 75, 86-95.
  38. Annis, J., Dube, C. & Malmberg, K.J. (in press). A Bayesian Approach to Discriminating between Biased Responding and Sequential Dependencies in Binary Choice Data, *Decision*,
  39. Kilic, A., Criss, A.H., Malmberg, K.J., & Shiffrin, R.M. (in press). Models that allow us to perceive the world more accurately also allow us to remember past events more accurately via differentiation, *Cognitive Psychology*,

40. Criss, A.H., Salomão, C., Malmberg, K.J., Aue, W.A., Kılıç, A., & Claridge, M. (in press). Release from Output Interference in Recognition Memory: A Test of the Attention Hypothesis. *Quarterly Journal of Experimental Psychology*

### **Patents.**

USF Ref. No.: 12A033PR\_Malmberg, "Systems and Methods for Enhancing Human Memory" (2012-2014; not awarded)

### **National Media Coverage.**

*Switching Subject Categories Could Improve Test Scores*, Science Daily, April 25, 2012.  
*Switch Subject to Increase Memory Accuracy*, Counsel & Heal, April 26, 2012.

### **Editing**

- 2015 Co-Editor of *Policy Insights from Behavioral and Brain Science* (PIBBS).
- 2012-2013. Guest Co-Editor of a special issue in honor of William K. Estes of *Journal of Mathematical Psychology*

### **Editorial Boards** (Consulting Editor positions)

- 2017 - ... *Policy Insights from the Behavioral and Brain Science* (PIBBS: Susan Fiske, Ed.)
- 2014 - ... *Memory & Cognition* (Neil Mulligan, Ed.)
- 2012 - ... *Journal of Experimental Psychology: Learning, Memory, and Cognition* (Robert Greene, Ed.)
- 2010 - 14 *Memory & Cognition* (James Nairne, Ed.)
- 2008 - 11 *Journal of Experimental Psychology: Learning, Memory, and Cognition* (Randi Martin, Ed.)
- 2005 - 09 *Memory & Cognition* (Colin MacLeod, Ed.)
- 2002 - 05 *Journal of Experimental Psychology: Learning, Memory, and Cognition* (Thomas O. Nelson, Ed.)

### **Ad Hoc Reviewing**

- *Artificial Intelligence*
- *Attention, Perception, & Psychophysics*

- *Behavior Research Methods*
- *Cognition*
- *Cognitive Brain Research*
- *Cognitive Psychology*
- *Cognitive Science*
- *Discourse Processes*
- *Emotion*
- *European Journal of Cognitive Psychology*
- *Experimental Psychology*
- *Israel Science Foundation*
- *Journal of Experimental Psychology: Human Perception and Performance*
- *Journal of Experimental Psychology: General*
- *Journal of Experimental Psychology: Learning, Memory, and Cognition*
- *Journal of Memory and Language*
- *Journal of Neuroscience*
- *Journal of Personality and Social Psychology: Attitudes and Social Cognition*
- *Memory*
- *Memory & Cognition*
- *National Science Foundation*
- *Neural Computation*
- *Proceedings of the National Academy of Sciences*
- *Psychological Bulletin*
- *Psychological Review*
- *Psychological Science*
- *Psychonomic Bulletin & Review*
- *Quarterly Journal of Experimental Psychology*

### **External Service**

- Organizer of the “Memory” sessions at the 3<sup>rd</sup> *Annual Summer Interdisciplinary Conference*, Cavalese, Italy.
- Co-Organizer of the “Visual Search” session at *George Sperling’s 27<sup>th</sup> Annual Interdisciplinary Conference*, Jackson Hole, WY.
- Co-Organizer of the “Recognition Memory” session at *George Sperling’s 26<sup>th</sup> Annual Interdisciplinary Conference*, Jackson Hole, WY.
- Co-Organizer of the 4<sup>th</sup> *Annual Context and Episodic Memory Symposium*, Tampa, January, 2008.
- Co-Organizer of the 5<sup>th</sup> *Annual Context and Episodic Memory Symposium*, West Palm Beach, FL., January, 2009.
- Co-Organizer of the “Memory” session at *George Sperling’s 34<sup>th</sup> Annual Interdisciplinary Conference*, Jackson Hole, WY.
- Organizing Committee of the 6<sup>th</sup> *Annual Context and Episodic Memory Symposium*, Philadelphia, PA, 2010.
- Organizing Committee of the 7<sup>th</sup> *Annual Context and Episodic Memory Symposium*, Philadelphia, PA, 2011.
- Program Committee for the 39<sup>th</sup> Annual Meeting of the Cognitive Science Society, London, UK., 2017.

### **University Service**

- 2014 Honors College Mock Interview Member
- Coordinator for Psychology and Social Sciences USF Interdisciplinary Data Science Group.

### **Department Service**

- 2008 On-line Teaching Committee
- 2008 Honors Program Committee
- 2007-2008 Doug Nelson Festschrift Organizing Committee
- 2007 – 2010,  
2013 - 2014 CAS Computer Committee
- 2006 - ... Human Subjects Committee
- 2005–2006 USF CNS Search Committee
- 2004 -2005 ISU Graduate Program Committee
- 2004 - 2005 ISU Fritz Lecture Committee
- ISU Liberal Arts and Sciences, Computer Advisory Committee
- Students of Color Support Group - University of Maryland

### **Professional Affiliations**

- Psychonomic Society
- Society for Mathematical Psychology

### **Teaching Experience**

- Introduction to Learning and Memory (ISU)
- Introduction to Memory and Cognition (Maryland)
- Experimental Methods for Cognitive Psychology (Maryland)
- Advanced Learning and Memory (ISU)
- Cognitive Seminar – Critical Thinking and Cognitive Modeling (ISU)



- Introduction to Research Methods (USF)
- Introduction to Cognition (USF)
- Issues and Applications for Current Memory Theory (USF)
- Memory (USF)
- Bayesian Statistics I & II (USF)
- Introduction to Cognition – Online (USF)
- Why Normal People DO Crazy Things (USF-Honors College)
- Human Memory (USF – Honors College)
- Autobiographical Memory (USF)

### **Master's Degree Supervised**

- Jing Xu, ISU (PhD, University California – Berkeley; Postdoc Johns Hopkins)
- Rebecca Grider, USF (Sr. MTS, Performance Engineering at VMware)
- Holly Westfall, USF

### **Ph.D.s Supervised**

- Melissa Lehman, USF (Postdoc, Purdue University; Assistant Professor, Lynn University)
- Jeff Annis, USF (Postdoc, Vanderbilt University)

### **Honor's Thesis Supervised**

- Keri Erb (2016)
- Kimberly Brinegar (2012)

### **Invited Colloquia and Symposia**

- University of Amsterdam, October, 2000
- University of Colorado - Boulder, June, 2001
- Miami University, October, 2002
- Context and Episodic Memory Symposium, Orlando, November, 2002
- Iowa State University, December, 2003
- Context and Episodic Memory Symposium, New Orleans, November, 2003

- University of South Florida, January, 2005
- University of Memphis, March, 2005
- Context and Episodic Memory Symposium, Philadelphia, March, 2005
- Memorial Symposium in Honor of Thomas O. Nelson, Toronto, November, 2005
- Context and Episodic Memory Symposium, Tampa, January, 2008
- International Congress of Psychology, Berlin, July 2008
- International Conference on Memory, York, UK, 2011
- University of South Florida – St. Petersburg, 2012
- USF Interdisciplinary Data Sciences Group, 2015
- University of Amsterdam, 2016

### **Conference Presentations**

- Murnane, K. Phelps, M. P. & Malmberg, K. J. (1996). Context effects in Recognition Memory. *The 37<sup>th</sup> Annual Meeting of the Psychonomic Society*, Chicago, IL.
- Murnane, K. & Malmberg, K. J. (1998). Familiarity Effects in Free Recall. *The 39<sup>th</sup> Annual Meeting of the Psychonomic Society*. Los Angeles, CA.
- Malmberg, K. J. & Shiffrin, R. M. (2000). The “one-shot” hypothesis of context encoding. *Hoosier Mental Life*. South Bend, IN.
- Malmberg, K. J. & Shiffrin, R. M. (2000). The “one-shot” hypothesis of context encoding. *The 32<sup>nd</sup> Annual Meeting of Society for Mathematical Psychology*, Kingston, ON.
- Malmberg, K. J. & Shiffrin, R. M. (2000). The “one-shot” hypothesis of context encoding. *The 41<sup>st</sup> Annual Meeting of the Psychonomic Society*, New Orleans, LA.
- Malmberg, K.J. (2001). Modeling the Effects of Item Repetitions on Direct and Indirect Memory Task Performance. *The 26<sup>th</sup> Annual Interdisciplinary Conference (AIC)*, Teton Village, WY.
- Malmberg, K. J. Criss, A. H., & Shiffrin (2002). The “one-shot” hypothesis and long-term priming of perceptual identification. *Hoosier Mental Life*, Bloomington, IN.

- Malmberg, K. J. & Shiffrin, R. M. (2001). Modeling list discrimination. *The 33<sup>rd</sup> Annual Meeting of Society for Mathematical Psychology*, Providence, RI.
- Malmberg, K. J., Steyvers, M., Stephen, J. D., & Shiffrin, R. M. (2001). Feature frequency effects in recognition memory. *The 42<sup>nd</sup> Annual Meeting of the Psychonomic Society*. Orlando, FL.
- Malmberg, K. J. & Shiffrin, R. M. (2001). Modeling list discrimination. *The 34<sup>th</sup> Annual Meeting of Society for Mathematical Psychology*, Providence, RI.
- Malmberg, K. J. (2002). Effects of Similarity, Repetitions, and Normative Frequency on Memory. *The 27<sup>th</sup> Annual Interdisciplinary Conference (AIC)*, Teton Village, WY.
- Malmberg, K. J., Holden, J. E., & Shiffrin, R. M. (2002). Modeling the effects of repetitions, similarity, and normative word frequency on judgments of frequency and recognition memory. *Hoosier Mental Life*, Columbus, OH.
- Malmberg, K. J., Zeelenberg, R., & Shiffrin, R. M. (2002). Turning up the noise or turning down the volume? On the nature of the impairment of episodic recognition memory by midazolam. *The 35<sup>th</sup> Annual Meeting of Society for Mathematical Psychology*, Oxford, OH.
- Malmberg, K. J., Holden, J. E., & Shiffrin, R. M. (2002). Modeling the effects of repetitions, similarity, and normative word frequency on judgments of frequency and recognition memory. *The 35<sup>th</sup> Annual Meeting of Society for Mathematical Psychology*, Oxford, OH.
- Malmberg, K. J. (2002). The “one-shot” hypothesis of context encoding. *The 1<sup>st</sup> Annual Context and Episodic Memory Symposium (CEMS)*, Orlando, FL.
- Malmberg, K. J., Zeelenberg, R., & Shiffrin, R.M. (2002). Turning up the noise or turning down the volume? On the nature of the impairment of episodic recognition memory by midazolam. *The 43<sup>rd</sup> Annual Meeting of the Psychonomic Society*, Kansas City, MO.
- Malmberg, K. J., Zeelenberg, R., & Shiffrin, R. M. (2002). Turning up the noise or turning down the volume? On the nature of the impairment of episodic recognition memory by midazolam. *Neural Information Processing Systems (NIPS)*, Vancouver, BC.
- Sanborn, A.N. Malmberg, K. J., & Shiffrin, R.M. (2003). High-level masking effects on perceptual identification. *International Workshop on Visual Attention*, San Miniato, Italy.
- Malmberg, K. J. (2003). The Status of Single-process Models of Remember-Know Judgments: Misconceptions & Resolutions. *The 2<sup>nd</sup> Annual Context and Episodic Memory Symposium (CEMS)*, New Orleans, LA.

- Sanborn, A.N. Malmberg, K. J., & Shiffrin, R.M. (2003). High-level masking effects on perceptual identification. *The 44<sup>th</sup> Annual Meeting of the Psychonomic Society*, Vancouver, BC.
- Malmberg, K. J. (2004). The Status of Single-process Models of Remember-Know Judgments: Misconceptions & Resolutions. *The 29<sup>th</sup> Annual Interdisciplinary Conference (AIC)*, Teton Village, WY.
- Malmberg, K. J. & Xu, J. (2004). Modeling associative recognition. *The 45<sup>th</sup> Annual Meeting of the Psychonomic Society*, Minneapolis, MN.
- Malmberg, K. J. (2004). The Status of Single-process Models of Remember-Know Judgments: Misconceptions & Resolutions. *Annual Summer Interdisciplinary Conference (ASIC)*, Cavalese, Italy.
- Malmberg, K. J. & Xu, J. (2004). The Influence of Averaging and Noisy Decision Strategies on the Recognition Memory ROC. *The 37<sup>th</sup> Annual Meeting of Society for Mathematical Psychology*, Ann Arbor, MI.
- Malmberg, K. J. (2005). Modeling the Accuracy and the Latency of Recognition Memory. *The 30<sup>th</sup> Annual Interdisciplinary Conference (AIC)*, Teton Village, WY.
- Malmberg, K. J. (2005). Modeling the Accuracy and the Latency of Recognition Memory. *The 3rd Annual Context and Episodic Memory Symposium (CEMS)*, Philadelphia, PA.
- Malmberg, K. J. (2006). On the Cost and Benefit of Taking it out of Context: Modeling the Inhibition in Directed Forgetting. *The 31<sup>st</sup> Annual Interdisciplinary Conference (AIC)*, Teton Village, WY.
- Malmberg, K. J. (2006). On the Cost and Benefit of Taking it out of Context: Modeling the Inhibition in Directed Forgetting. *Annual Summer Interdisciplinary Conference (ASIC)*, Andulnase, Norway
- Malmberg, K. J., Lehman, M., & Sahakyan, L. (2006). On the Cost and Benefit of Taking it out of Context: Modeling the Inhibition Associated with Directed Forgetting, *28th Meeting of the Cognitive Science Society*, Vancouver, BC.
- Lehman, M. & Malmberg, K. J. (2006). On the Cost and Benefit of Taking it out of Context: Modeling the Inhibition Associated with Directed Forgetting. *The Society for Mathematical Psychology 39<sup>th</sup> Annual Meeting*, Vancouver, BC.
- Brown, R. Grider, R. & Malmberg K.J. (2007). Discriminating Between Changes in Bias and Changes in Accuracy for Recognition Memory of Emotional Stimuli. *29th Meeting of the Cognitive Science Society*, Nashville, TN.

- Malmberg, K. J. (2007). Toward an Understanding of Individual Differences in Episodic Memory. The 32<sup>nd</sup> Annual Interdisciplinary Conference (AIC), Teton Village, WY.
- Malmberg, K. J. (2007). Toward an understanding of individual differences in episodic memory. *Annual Summer Interdisciplinary Conference (ASIC)*, Kalymnos, Greece,
- Grider, R. L. & Malmberg, K. J. (2008). Discriminating Between Changes in Bias and Changes in Accuracy for Recognition Memory of Emotional Stimuli. *The 4th Annual Context and Episodic Memory Symposium (CEMS)*, Tampa, FL
- Lehman, M. & Malmberg, K. J. (2008). A global memory model of forgetting and remembering from multiple lists. *The 4th Annual Context and Episodic Memory Symposium (CEMS)*, Tampa, FL
- Malmberg, K. J. (2008). The paradoxical relationship between strength and the latency recognition memory. *The 4th Annual Context and Episodic Memory Symposium (CEMS)*, Tampa, FL
- Malmberg, K. J. (2008). A global memory model of forgetting and remembering from multiple lists. *The International Congress of Psychology*, Berlin, Germany.
- Malmberg, K. J. and Lehman, M. (2008). A global memory model of forgetting and remembering from multiple lists. *The 49<sup>th</sup> Annual Meeting of the Psychonomic Society*, Chicago, IL.
- Criss, A. H. & Malmberg, K. J. and Lehman, M. (2008). Evidence in favor of the early-phase elevated-attention hypothesis: The effects of object frequency and letter frequency. *The 49<sup>th</sup> Annual Meeting of the Psychonomic Society*, Chicago, IL.
- Malmberg, K. J. & Hayward, D. (2009). Implications of Recognition Priming for Models of Recognition Memory. *The 5<sup>th</sup> Annual Context and Episodic memory Symposium (CEMS)*, West Palm Beach, FL.
- Below, M.C., Malmberg, K. J., & Goldman, M. S. (2009). Metacognitive processing of alcohol-related information. *Research Society on Alcoholism 32nd Annual Meeting*.
- Lehman, M. & Malmberg, K. J. (2009). Overcoming the effects of intentional forgetting. *The 50<sup>th</sup> Annual Meeting of the Psychonomic Society*, Boston, MA.
- Malmberg, K. J. & Hayward, D. (2009). Sequential Dependencies in Recognition Memory Testing. *The 50<sup>th</sup> Annual Meeting of the Psychonomic Society*, Boston, MA.

- Lehman, M. & Malmberg, K. J. (2010). Rethinking buffer operations in dual-store model of memory. *The 6th Annual Context and Episodic Memory Symposium (CEMS)*, Philadelphia, PA.
- Criss, A. H., Malmberg, K. J., & Shiffrin, R. M. (2010). Output Interference in Recognition Memory. *The 51<sup>th</sup> Annual Meeting of the Psychonomic Society*, St. Louis, MO.
- Malmberg, K. J. & Annis, J. (2010). Similarity Effects on Sequential Dependencies in Recognition Memory Testing. *The 51<sup>th</sup> Annual Meeting of the Psychonomic Society*, St. Louis, MO.
- Malmberg, K.J. (2011). Sequential dependencies in recognition memory testing: implications for models of memory and perception. *5<sup>th</sup> International Conference on Memory*, York, U.K.
- Lehman, M. & Malmberg, K. J. (2011). Rethinking buffer operations in a dual-store model of memory. *The 51<sup>th</sup> Annual Meeting of the Psychonomic Society*, St. Louis, MO.
- Malmberg, K.J. (2012) What is context is the wrong question. Festrichft for Richard M. Shiffrin, Indiana University, Bloomington.
- Westfall, H. A. & Malmberg, K.J. (2012) Visual Search Improves Mnemonic Search. *Annual Summer Interdisciplinary Conference*, Cala Ganogge, Sardinia, Italy.
- Malmberg, K.J. (2012) From Models of Memory to Impacting the World, University of South Florida, CNS brown bag.
- Malmberg, K.J. (2012) From Models of Memory to Impacting the World, University of South Florida – St. Petersburg.
- Annis, J. Malmberg, K.J., Criss A.H., Shiffrin, R.M. (2012) Sources of Interference in Recognition Testing. *The 52<sup>th</sup> Annual Meeting of the Psychonomic Society*, Minneapolis, MN.
- Kilic, A. Criss, A.H., & Malmberg, K.J., (2012) Testing Models of Output Interference and the Strength-based Mirror Effect., *The 52<sup>th</sup> Annual Meeting of the Psychonomic Society*, Minneapolis, MN.
- Westfall, H. A. (2012). Visual Search Improves Memory Search (2012). *The 52<sup>th</sup> Annual Meeting of the Psychonomic Society*, Minneapolis, MN.
- Annis, J. & Malmberg (2013). A model Sequential Dependencies in recognition testing. *The 53rd Annual Meeting of the Psychonomic Society*, Toronto, CAN.

- Annis, J. & Malmberg (2013). A model Sequential Dependencies in recognition testing. Testing. . *The Society for Mathematical Psychology 46<sup>th</sup> Annual Meeting*, Dunkirk, Germany.
- **Annis, J.** Malmberg, K.J., Criss, A.H., & Shiffrin, R.M. (2013). Sources of Interference in Recognition Testing. *Annual Summer Interdisciplinary Conference. Cortina, Italy.*
- Malmberg, K. J., Annis, J., Dube, C., & Erb, K. (2015). Reductions in Sequential Dependencies in Recognition Memory Testing. *The 55th Annual Meeting of the Psychonomic Society*, Chicago.
- Criss, A. H., Kilic, A., Malmberg, K.J., Fontaine, J. (2015). Learning During Study and Test: A Joint Evaluation of List, *The 55th Annual Meeting of the Psychonomic Society*, Chicago.
- Annis, J. & Malmberg, K.J. (2015). A Bayesian Approach to Discriminating Between Biased and Sequential Dependencies in Binary Choice Data. *The 55th Annual Meeting of the Psychonomic Society*, Chicago.
- Malmberg, K.J. (2016). Toward a model of the problem of autobiographical memory. Festschrift for Jeroen G.W. Raaijmakers, Amsterdam, Netherlands.
- Malmberg, K.J. (2016). Toward a model of the problem of autobiographical memory. Annual Summer Interdisciplinary Conference, Val Gardena, Italy.
- Malmberg, K.J., Palmer, J., Erb, K. Mostafa, S. (2016). Toward a model of the problem of autobiographical memory. . *The 56th Annual Meeting of the Psychonomic Society*, Boston.

### **Grant Activity**

Individual NRSA MH12643: “Modeling the Controlled Use of Human Memory” - (~\$60K, funded, 2000-2001)

ISU Internal: “Investigating Context-Dependent Memory in Virtual Reality Environments” - (~\$16K, funded, 2005)

NIH AG025814: “Modeling Individual Differences in Recognition Memory” – (~\$1.95 million, not funded, 2005)

NIH AG028433: “Modeling Individual Differences in Recognition Memory” – (~\$275K, not funded, 2007)

USF International Travel Award, *The International Congress of Psychology*, Berlin, Germany (\$750, funded, 2008)

ITOPP: “Enhancing Psychological Education with On-line Teaching Technologies”, (\$2000, funded, July, 2009)

2011 USF International Travel Award, *5<sup>th</sup> International Conference on Memory*, York, U.K. (\$750, funded, 2008)

2016 NIH NEUROPSYCHOLOGICAL ASSESSMENT OF RIGHT MESIAL TEMPORAL LOBE FUNCTION (\$220,092, not funded)

**National Science Foundation**



**Principal Investigator's Name:** Kenneth MALMBERG

18 proposals found, displaying 1 to 10

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<a href="#">Division</a>	<a href="#">Proposal Number</a>	<a href="#">Proposal Title</a>	<a href="#">Status</a>	<a href="#">Status Date</a>	<a href="#">Received by NSF</a>	<a href="#">Requested Amount</a>	<a href="#">Program Officer</a>
BCS	<a href="#">1754252</a>	Formal Models of Autobiographical Memory	Pending	08/09/2017	08/01/2017	\$733,930.00	Lawrence Gottlob
BCS	<a href="#">1655180</a>	The Role of Summary Statistical Representation in Memory Retrieval	Declined	01/19/2017	07/29/2016	\$442,507.00	Catherine Arrington
BCS	<a href="#">1632384</a>	The Role of Temporal Perceptual Averaging in Memory Retrieval	Declined	05/31/2016	02/01/2016	\$478,678.00	Catherine Arrington
BCS	<a href="#">1631578</a>	NCS-FO: An Integrative Model of Autobiographical Memory	Declined	07/07/2016	01/26/2016	\$995,681.00	Betty H. Tuller
BCS	<a href="#">1555683</a>	A Source of Inefficiencies in Human Memory and Perception	Declined	11/16/2015	07/29/2015	\$518,034.00	Catherine Arrington
BCS	<a href="#">1555573</a>	The Role of Temporal Perceptual Averaging in Memory Retrieval	Declined	11/04/2015	07/28/2015	\$438,421.00	Catherine Arrington
BCS	<a href="#">1457104</a>	Understanding Sequential Dependencies in Perception and Memory via Computational Models of Neural and Behavioral Data	Declined	11/12/2014	08/01/2014	\$652,964.00	Betty H. Tuller
SES	<a href="#">1431196</a>	Understanding Sequential Dependencies in Perception and Memory via Computational Models of Neural and Behavioral Data	Declined	06/10/2014	02/03/2014	\$644,718.00	N/A
IIP	<a href="#">1430206</a>	PFI:BIC: Technology to Monitor Cognitive States and Improve Human Learning and Cognition	Declined	07/02/2014	01/27/2014	\$799,348.00	N/A
BCS	<a href="#">1256797</a>	Collaborative Research: Cognitive Mechanisms Underlying Adaptive Decision-Making	Declined	01/11/2013	07/31/2012	\$522,939.00	Lawrence Gottlob

<u>Division</u>	<u>Proposal Number</u>	<u>Proposal Title</u>	<u>Status</u>	<u>Status Date</u>	<u>Received by NSF</u>	<u>Requested Amount</u>	<u>Program Officer</u>
BCS	<a href="#">1230208</a>	Collaborative Research: Neuroeconomics of Adaptive Behavior and Efficient Decisions	Declined	06/27/2012	01/31/2012	\$514,406.00	Lawrence Gottlob
BCS	<a href="#">1151739</a>	Collaborative Research: Models of Interference and Forgetting in Recognition Memory	Declined	11/28/2011	07/27/2011	\$310,052.00	Lawrence Gottlob
BCS	<a href="#">1126962</a>	Collaborative Research: Models of interference and forgetting in recognition memory	Declined	06/27/2011	01/28/2011	\$293,426.00	Lawrence Gottlob
BCS	<a href="#">1030201</a>	Measuring and Overcoming Cognitive Inefficiencies in Complex Task Performance Via Mnemonic Control	Declined	07/26/2010	02/15/2010	\$277,657.00	N/A
BCS	<a href="#">0957003</a>	Measuring and Overcoming Cognitive Inefficiencies in Complex Task Performance Via Mnemonic Control	Declined	01/28/2010	07/29/2009	\$273,930.00	N/A
BCS	<a href="#">0924249</a>	Measuring and Overcoming Cognitive Inefficiencies in Complex Task Performance Via Mnemonic Control	Declined	01/05/2010	01/29/2009	\$248,864.00	N/A
DMS	<a href="#">0532392</a>	Stochastically Modeling Individual Differences in Recognition Memory	Declined	07/20/2005	04/05/2005	\$361,412.00	N/A
BCS	<a href="#">0347106</a>	Adaptive Models of Human Learning and Memory	Declined	12/19/2003	07/22/2003	\$718,297.00	N/A