

**Vita**  
**Lawrence R. Gottlob**

4717 Brookside Way  
Lexington, KY 40515  
(859) 273-4643

**Education:**

Postdoc: Duke University Medical Center  
Area: Cognitive Aging

Ph.D. (1995), Arizona State University  
Area: Cognitive Systems/Experimental Psychology

M.A. (1992), Arizona State University  
Area: Cognitive Systems/Experimental Psychology

B.S. (1978), Arizona State University  
Major: Business Administration (Accounting)

**Funding:**

Co-PI on 3-year NSF grant, Lifespan Dynamics of Cognition and Action.

PI on 5-year (2001 – 2006) RO1 grant with NIA, Age and Specific Mechanisms of Visual Attention (\$100k direct costs per year).

**Positions Held:**

Associate Professor  
Department of Psychology  
University of Kentucky  
2007 -

Assistant Professor  
Department of Psychology  
University of Kentucky  
2001 - 2007

Visiting Assistant Professor  
Department of Psychology  
Syracuse University  
1999 – 2001

Senior Fellow  
Cognitive Aging Laboratory, Duke University Medical Center  
Research Associate, NIA Research Grants on Neuroimaging of Age-related Cognitive Changes, and Age and Selective Attention in Visual Search  
1997 - 1999

Postdoctoral Research Associate  
Center for Aging, Duke University Medical Center  
1995 - 1997

Research Assistant (half-time)  
Air Force Armstrong Laboratory, Higley, AZ  
1992 - 1994

### Classes Taught:

Adult Development (UK)  
Graduate Proseminar in Cognition (UK)  
Cognition (UK)  
Learning and Cognition (UK)  
Adult Development (SU)  
Cognitive Aging (SU)  
Cognition (SU)  
Sensation and Perception (SU)  
Attention and Memory (graduate course at SU)  
Research Methods Laboratory (ASU)  
Introductory Psychology (ASU)

### Refereed Publications

- Gottlob, L. R.**, Fillmore, M. T., & Abrams, B. D. (2007). Age-group differences in inhibiting an oculomotor response. *Aging, Neuropsychology, and Cognition*, 14, 586 - 593.
- Gottlob, L. R.** & Golding, J. M. (2007). Directed forgetting in the list method affects recognition memory for source. *Quarterly Journal of Experimental Psychology*, 60, 1524 – 1539.
- Gottlob, L. R.**, Fillmore, M. T., & Abrams, B. D. (2007). Age group differences in saccadic interference. *Journal of Gerontology: Psychological Sciences*, 62B, P85 – P89..
- Gottlob, L. R.** (2007). Aging and capacity in the same-different judgment. *Aging, Neuropsychology, and Cognition*, 14, 66 – 69.
- Gottlob, L. R.** (2006). Age-related deficits in guided search using cues. *Psychology and Aging*, 21, 526 - 534.
- Gottlob, L. R.** (2006). Aging and comparative search for feature differences. *Aging, Neuropsychology, and Cognition*, 13, 435 – 457.
- Gottlob, L. R.**, Golding, J. M. & Hauselt, W. J. (2006). Directed forgetting of a single item. *Journal of General Psychology*, 133, 67 – 80.
- Abrams, B. D., **Gottlob, L. R.**, & Fillmore M. T. (2006). Alcohol effects on inhibitory control of attention: Distinguishing between intentional and automatic mechanisms. *Psychopharmacology*, 188, 324 – 334.
- Sego, S. A., Golding, J. M., & **Gottlob, L. R.** (2006). Directed forgetting in older adults using the item and list methods. *Aging, Neuropsychology, and Cognition*, 13, 95 – 114.
- Golding, J. M. & **Gottlob, L. R.** (2005). Recall order determines the magnitude of directed forgetting in the within-participants list method. *Memory & Cognition*, 33, 588 – 594.
- Gottlob, L. R.** (2004). Location cuing and response time distributions in visual attention. *Perception & Psychophysics*, 66, 1293 - 1302.

Greene, H.A., Pekar, J., Beadles, R., & **Gottlob, L. R.** (2001). The development of the Ocutech VES-autofocus telescope and a future binocular version. *Optometry and Vision Science, 78*, 297-303.

**Gottlob, L. R.** & Madden, D. J. (1999 B). Age differences in the strategic allocation of visual attention. *Journal of Gerontology: Psychological Sciences, 3*, P165-P172.

**Gottlob, L. R.** & Madden, D. J. (1999 A). Age similarities in the inertial properties of attention. *Perception & Psychophysics, 61*, 740-755.

**Gottlob, L.R.**, Goldinger, S. D., Stone, G. O. & Van Orden, G.C. (1999). Reading homographs: Orthographic, phonologic, and semantic dynamics. *Journal of Experimental Psychology: Human Perceptual Processes, 25*, 561-574.

**Gottlob, L.R.**, Cheal, M. L., Lyon, D. R. (1999). Timecourse of location cuing effects with a probability manipulation. *Journal of General Psychology, 126*, 261-270.

**Gottlob, L. R.**, Cheal, M. L., Lyon, D. R. (1999). Attention operating characteristics in a location-cuing task. *Journal of General Psychology, 126*, 271-287.

**Gottlob, L. R.**, & Madden, D. J. (1998). Time course of allocation of visual attention after equating for sensory differences: An age-related perspective. *Psychology and Aging, 13*, 138-149.

Madden, D. J., **Gottlob, L. R.** & Allen, P. A. (1999). Adult age differences in visual search accuracy: Attentional guidance and target detectability. *Psychology and Aging, 14*, 683-694.

Madden, D. J., **Gottlob, L. R.**, Denny, L. L., Hawk, T. C., Turkington, T. G., Provenzale, J. M., & Coleman, R. E. (1999). Aging and recognition memory: Changes in regional cerebral blood flow associated with components of reaction time distributions. *Journal of Cognitive Neuroscience, 11*, 511-520.

Madden, D. J., Turkington, T. G., Provenzale, J. M., Denny, L. L., Hawk, T. C., **Gottlob, L. R.**, & Coleman, R. E. (1999). Adult age differences in the functional neuroanatomy of verbal recognition memory. *Human Brain Mapping, 7*, 115-135.

Madden, D. J. and **Gottlob, L. R.** (1997). Adult age differences in strategic and dynamic components of focusing visual attention. *Aging, Neuropsychology & Cognition, 4*, 185-210.

Maddox, W.T., Ashby, F.G., & **Gottlob, L.R.** (1998). Response time distributions in multidimensional perceptual categorization. *Perception & Psychophysics, 60*, 620-637.

Killeen, P. R., Palombo, G-M, **Gottlob, L. R.**, & Beam, J. (1996). Bayesian analysis of foraging by pigeons (*Columba livia*). *Journal of Experimental Psychology, Animal Behavior Processes, 22*, 480-496.

Cheal, M. L., Lyon, D. R., and **Gottlob, L. R.** (1994). A framework for understanding the allocation of attention in location- precued discrimination. *Quarterly Journal of Experimental Psychology: A. Human Experimental Psychology, 47A*, 699-739.

### Conference Presentations and Invited Talks

Gottlob, L. R. Age-related changes in inhibitory control of eye movements. Invited talk presented at the Midwest Psychological Association Meeting, Chicago, Il, May 2006.

Gottlob, L. R. Aging and capacity measures in the same-different judgment. Invited talk to the psychology department at the University of Cincinnati, May 2006.

Gottlob, L. R. & Golding, J. M. Directed forgetting in the list method affects recognition memory for context. Paper presented at the meeting of the Psychonomics Society, Toronto, November 2005.

Gottlob, L. R. Age-group differences in comparative visual search. Paper presented at meeting of Vision Sciences Society, Sarasota, FL, May 2004.

Gottlob, L. R. Location cuing and response time distributions in visual attention. Paper presented at meeting of the Psychonomics Society, Vancouver, BC, November 2003.

Gottlob, L. R. Eye movements and response accuracy in comparative visual search. Paper presented at meeting of Vision Sciences Society, Sarasota, FL, May 2003.

Gottlob, L. R. A random-walk model for visual attention and aging. Paper presented at meeting of the Psychonomics Society, New Orleans, LA, November 2000.

Gottlob, L. R. A random walk model for the effects of aging on location cuing in visual attention. Paper presented at Cognitive Aging Conference, Atlanta GA, April 2000.

Gottlob, L. R., Madden, D. J., and Allen, P. A. Age differences in visual search reflect differences in target detectability. Paper presented at American Psychological Society Conference, Denver CO, June 4-6, 1999.

Gottlob, L. R. and Madden, D. J. Age similarities in the inertial shifting of attentional focus about a visual display. Paper presented at Cognitive Aging Conference, Atlanta GA, April 23-26, 1998.

Madden, D. J. and Gottlob, L. R. Age constancy of focusing visual attention. Paper presented at Cognitive Aging Conference, Atlanta GA, April 25-28, 1996.

Gottlob, L.R., Maddox, W.T., and Ashby, F.G. Response time distributions in multidimensional perceptual categorization. Paper presented at Society for Mathematical Psychology Meeting, University of Washington, August 12-14, 1994.

Gottlob, L.R., Cheal, M. L., and Lyon, D. R. Cue validity manipulation in a location cuing task: sharing versus switching attention. Poster presented at Conference on Converging Operations in the Study of Visual Selective Attention, University of Illinois, Urbana-Champaign, May 19-22, 1994.

Gottlob, L. R., Cheal, M. L., and Lyon, D. R. Spatial allocation of attention resources varies with proportion of correctly cued trials. Poster presented at American Psychological Society, San Diego, CA., June 1992.

Cheal, M. L., Lyon, D. R., and Gottlob, L. R. A gradient filter metaphor for attention. Paper presented at Psychonomic Society Convention, Washington, DC, November 1993.

Cheal, M. L., Lyon, D. R., and Gottlob, L. R. The timecourse of attention resources allocation to uncued locations. Paper presented at Psychonomic Society Convention, St. Louis, MO, November 1992.

Clark, M., Duane, D. D., Gottlob, L. G., Case, J. L., & LaPointe, L. L. Tremor distribution in relatives of patients with cervical dystonia versus essential tremor. Paper presented to American Academy of Neurology, Washington, D. C., May 3, 1994.

Duane, D. D., Clark, M., Gottlob, L. R., Case, J. L., & LaPointe, L. L. The influence of family history of tremor on cervical dystonia. Paper presented at Movement Disorder Society: Symposium on Hyperkinetic Movement Disorders, Boston, MA, October 17, 1993.

Duane, D. D., Gottlob, L. R., Clark, M., Brennan, M. E., Moyer, T. P., & Daly, S. P. Urinary MHPG levels in cervical dystonia: A possible aid to subtyping. Paper presented at Movement Disorder Society: Symposium on Hyperkinetic Movement Disorders, San Francisco, CA, October 9, 1994.

**Professional Affiliations:**

Member, *Psychonomic Society*

**Editorial Service**

Ad Hoc Reviewer, *Psychology and Aging; Journal of Gerontology: Psychological Sciences; Journal of General Psychology; Behavior Research Methods, Instruments, and Computers; Perception & Psychophysics; Journal of Clinical and Experimental Neuropsychology; Aging, Neuropsychology, and Cognition; Journal of Experimental Psychology: Learning, Memory and Cognition.*

Consulting Editor, *Journal of General Psychology.*

**Other Service**

Proposal Reviewer, NSF; Kentucky EPSCOR.

Member of Steering Committee, Cognitive Science Program at UK.

**Fellowships**

AFOSR Summer Research Fellowship, 1992, 1993, 1994.