

Eric D. Leshikar, Ph.D.

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Academic Degrees

PhD	University of Illinois at Urbana-Champaign	2009 Psychology
MA	University of Illinois at Urbana-Champaign	2006 Psychology
BS	Abilene Christian University	2000 Psychology
BS	Abilene Christian University	2000 Communication

Professional Experience

Post-doctoral fellow, advised by Angela Gutches	2011-Pres
Post-doctoral trainee, advised by Audrey Duarte	2009-2011
Graduate Student, advised by Denise Park	2003-2009
Research Administrator, Boston Medical Center	2002-2003
Administrative Assistant, Undergraduate Research Opportunities Program at the Massachusetts Institute of Technology	2002

Honors and Awards

McNair Fellowship, A.C.U Chapter	1998-2000
Graduate College Diversity Fellowship for Under-represented Students	2003
American Psychological Association Advance Training Institute Fellow	2004
Cognitive Psychophysiology Training Grant Recipient	2005
Summer Institute in Cognitive Neuroscience at Dartmouth College Fellow	2006
The List of Teachers Ranked as Excellent by Their Students (Illinois)	2007
The List of Teachers Ranked as Excellent by Their Students (Illinois)	2008
Center for Teaching Excellence, Graduate Teaching Certificate	2009

Teaching Experience

Honors Seminar, Teaching Assistant (Abilene Christian)	Fall, 2000
Modern Viewpoints in Psychology, Teaching Assistant (Illinois)	Fall, 2005
Introduction to Psychology, Lecturer (Illinois)	Fall, 2007 & Fall, 2008

Professional Memberships

Society for Neuroscience
Cognitive Neuroscience Society
Human Brain Mapping

Peer-Reviewed Publications

Chee, M. W. L., Goh, J. O. S., Venkatraman, V., Tan, J. C., Gutchess, A., Sutton, B., Hebrank, A., Leshikar, E., & Park, D. (2006). Age-related changes in object processing and contextual binding revealed using fMR-Adaptation. Journal of Cognitive Neuroscience, 18: 495-507.

Park, D.C., & Leshikar, E.D. (2006). An overview of the cognitive neuroscience of aging. In Jing, Q., Rosenzweig, M., d'Ydewalle, G., Zhang, H., Chen, H., and Zhang, K (Eds.) Progress in psychological science around the world, Proceedings of the 28th International Congress of Psychology. Vol 1, Neural, cognitive, and developmental issues. Hove, UK: Psychology Press.

Gutchess, A., Hebrank, A., Sutton, B., Leshikar, E., Chee, M., Tan, J., Goh, J., Park, D. (2007). Contextual interference in recognition memory with age. Neuroimage. 35(3), 1338-1347.

Goh, J. O. S., Chee, M. W. L., Venkatraman, V., Hebrank, A., Leshikar, E. D., Jenkins, L., Sutton, B. P., Gutchess, A. H., Park, D. C. (2007). Age and culture modulate object processing and object-scene binding in the ventral visual area. Cognitive, Affective, and Behavioral Neuroscience. 7(1), 44-52.

Leshikar, E. D., Gutchess, A. H., Hebrank, A. C., Sutton B. P., & Park, D. C. (2010). The impact of increased encoding demand on frontal and medial temporal function in older adults. Cortex. 4, 507-521.

Goh, J. O. S., Leshikar, E. D., Sutton, B. P., Tan, J. C., Sim, S. K. Y., Hebrank, A., Park, D. C. (2010). Culture differences in neural processing of faces and houses in the ventral visual cortex. Social Cognitive and Affective Neuroscience. 5, 227-235.

Leshikar, E. D., & Duarte A. (2011). Medial prefrontal cortex supports source memory accuracy for self-referenced items. Social Neuroscience.

Manuscripts Under Review or In Progress

Leshikar, E. D., Dulas, M. R., & Duarte A. (Submitted). Self-referencing enhances recollection in both young and older adults.

Leshikar, E. D., & Duarte A. (in preparation). Regions supporting source memory accuracy for self-referenced items in young and older adults.

Leshikar, E. D., Hebrank, A. C, Jenkins, L. J., Goh, J. O., Chee, M. W. & Park, D. C. (in

preparation). Frontal Compensation for Default Network Suppression Deficits in Older Adults During Scene Encoding.

Leshikar, E. D., Hebrank, A. C, Jenkins, L. J., Goh, J. O., Tan., J., Chen, K., Chee, M. W. & Park, D. C. (in preparation). Culture differences in function of the default network: Evidence for greater default modulation in western versus east Asian adults.

Leshikar, E. D., Hebrank, A. C, Jenkins, L. J., Goh, J. O., Tan., J., Chen, K., Chee, M. W. & Park, D. C. (in preparation). Frontal Compensation across cultures: Orbitofrontal cortex compensates for default suppression deficits in East Asian and Western Elderly.

Leshikar, E. D., Duarte, A., & Hertzog, C. (in preparation). Task-dependent activation supports subsequent memory for successful encoding strategy implementation.

Invited Talks

Aging, Culture and Cognition Laboratory, Brandeis University	Summer, 2008
Cognitive Division Brown Bag Seminar, University of Illinois	Fall, 2008
Cognitive and Affective Neuroscience Laboratory, Boston College	Summer, 2009
Cognition and Brain Science Seminar, Georgia Tech	Fall, 2010
MIND Institute, University of New Mexico	Spring, 2011
Cognitive Aging Seminar, Georgia Tech	Spring, 2012

Scholarly Presentations

Gutchess, A., Hebrank, A., Sutton, B., Leshikar, E., Chee, M., Tan, J., Goh, J., Park, D. (November, 2005). Prefrontal compensation with age for contextual interference. Talk presented at the meeting of the Society for Neuroscience, Washington, DC.

Chee, M., Goh, J., Tan, J., Gutchess, A., Sutton, B., Hebrank, A., Leshikar, E., Park, D. (November, 2005). fMR-adaptation shows that age and culture modulate visual processing of complex pictures. Talk presented at the meeting of the Society for Neuroscience, Washington, DC.

Goh, J., Chee, M., Tan, J., Venkatraman, V., Leshikar, E. D., Hebrank, A. C., Jenkins, L. J., Sutton, B., Park, D. C. (April, 2006). Aging and culture modulate fMR-Adaptation in ventral visual areas. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Leshikar, E. D., Gutchess, A.H., Hebrank, A. C., Sutton B., Welsh, R., & Park, D. C. (April, 2006). Modulation of neural response to task difficulty in young and old adults using fMRI. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Leshikar, E. D., Gutchess, A.H., Hebrank, A. C., Sutton B., & Park, D. C. (May, 2007). Relational encoding leads to greater engagement of prefrontal cortex in lower than higher-performing elderly. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Leshikar, E. D., Gutchess, A.H., Hebrank, A. C., Sutton B., & Park, D. C. (April, 2008). The impact of increased encoding demand on frontal and medial temporal function in older adults. Poster presented at the Cognitive Aging Conference, Atlanta, Georgia.

Goh, J. O., Leshikar, E., Hebrank, A., Flicker, B., Sutton, B., Wang, W., Jenkins, L., Tan, J., Chen, K., Chee, M., Park, D. (November, 2008). Age and culture modulate neural selectivity in the ventral visual area during face and place viewing. Talk presented at the Annual Meeting of the Society for Neuroscience, Washington D. C.

Leshikar, E. D., Hebrank, A. C, Jenkins, L. J., Goh, J. O., Chee, M. W. & Park, D. C. (November, 2008). Episodic memory success is tied to parametric modulation of the default network in younger but not older adults. Talk presented at the Annual Meeting of the Society for Neuroscience, Washington D. C.

Leshikar, E. D., Hebrank, A. C, Jenkins, L. J., Goh, J. O., Chee, M. W. & Park, D. C. (October, 2009). Frontal compensation for default network suppression deficits in older adults during scene encoding. Talk presented at the Annual Meeting of the Society for Neuroscience, Chicago, Illinois.

Leshikar, E. D. & Duarte, A. L. (January, 2010). Effects of semantic versus self-reference encoding on source memory. Poster presented at the Dallas ACC conference, Dallas, Texas.

Leshikar, E. D. & Duarte, A. L. (November, 2010). Medial prefrontal cortex supports accurate source memory retrieval for items encoded under self-reference. Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, California.

Leshikar, E. D. & Duarte, A. L. (November, 2010). Medial prefrontal cortex supports source memory retrieval for self-reference. Poster presented at the Annual Meeting of the Psychonomics Society, St. Louis, Missouri.

Leshikar, E. D., Holder, J., Duarte, A., & Hertzog, C. (November, 2011). Task-dependent activation supports subsequent memory for successful encoding strategy use. Poster presented at the Annual Meeting of the Society for Neuroscience, Washington, D.C.

Leshikar, E. D. & Duarte A. (April, 2012). Self-referencing supports source memory in young and older adults. Talk to be presented at the Cognitive Aging Conference, Atlanta, GA.

T32 AG000175-21

Christopher Hertzog (PI)
10/1/09- 9/30/10

NIA

Research training grant in cognitive aging

This training grant supports 2 postdoctoral fellows and 4 graduate students to work in cognitive aging.

Role: *Post-doctoral Researcher*

T32MH019554-12

Gregory Miller (PI)
7/16/2004-7/15/2006

NIMH

Psychophysiological training grant

Role: *Pre-doctoral Trainee*

References

Dr. Audrey Duarte, Assistant Professor
Georgia Institute of Technology
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Dr. Angela Gutches, Assistant Professor
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