

CURRICULUM VITAE OF REZA HABIB

I. Professional Affiliation and Contact Information

A. Present University Department:

Brain and Cognitive Sciences Program
Department of Psychology
College of Liberal Arts

B. Office Address:

Life Sciences II, Room 271C
Mailcode 6502
Carbondale, IL, 62901
(618) 453-3547
rhabib@siu.edu

II. Education

2000	Ph.D.	University of Toronto
1994	MA	University of Toronto
1993	BS	University of Toronto

III. Professional Experience

2012 – Present: Director, Undergraduate Program, Department of Psychology,
Southern Illinois University Carbondale

2009 – Present: Associate Professor – Brain and Cognitive Sciences,
Department of Psychology, Southern Illinois University
Carbondale

2003 – 2009: Assistant Professor – Brain and Cognitive Sciences, Department
of Psychology, Southern Illinois University Carbondale

Cross-Appointed: School of Medicine, Department of Computer
Science

2000 – 2003: Postdoctoral Fellow – Rotman Research Institute

Summer 1997: Instructor – Department of Psychology, University of Toronto

1993 – 1997: Teaching Assistant – Department of Psychology, University of
Toronto

IV. Research and Creative Activity

A. Interests and Specialties:

1. Functional neuroimaging of long-term learning and memory. Specific areas of interest include the role of the medial temporal lobes in novelty detection, the neural correlates of availability and accessibility of information in memory, metamemory and the default network as a function of *APOE* genotype, and the involvement of the parietal cortex during encoding and retrieval.
2. Successful aging. Specific areas of interest include the determinants of successful aging and factors predicting its maintenance over time.
3. Functional neuroimaging of pathological gambling. Specific areas of interest include the neural correlates of pathological gambling and its relation to drug addiction.

B. Current Projects:

Dixon, M.R., & **Habib, R.** Neural mechanisms underlying pathological gambling.

Zhu, J., & **Habib, R.** The exploration of a possible role of attention in the testing effect.

C. Grants Applied for:

Habib, R., Dixon, M.R., & Obasi, E. (2009). *Identifying the Neural Correlates of Treatment-Based Reductions in Impulsivity in African American and European American Social Drinkers*, National Institute on Alcohol Abuse and Alcoholism, \$993,544. (Unfunded)

Gilbert, D.G., **Habib, R.**, & Jacobs, E. (2009). *Brain Network-Activation in Different Avoidance Tasks*. National Institute on Drug Abuse, \$1,000,000. (Unfunded)

Gilbert, D.G., **Habib, R.**, & Jacobs, E. (2009). *Development of brain imaging gaze avoidance tasks*. National Institute on Drug Abuse, \$275,000. (Unfunded)

Gilbert, D.G., **Habib, R.**, & Partridge, J. (2009). *Exercise: Nicotine, Cues, Affect & Brain*. National Institute on Drug Abuse, \$375,000. (Unfunded)

Habib, R. & DiLalla, L. (2009). *Genetic Contributions to Default Mode Brain Activity*. Center for Integrated Research in Cognitive and Neural

Sciences, SIUC, \$10,200. (Unfunded)

Gilbert, D.G., & Habib, R. (2009). *Development of an Eye-Gaze Operant Task for fMRI & EEG Brain Activation Imaging of Approach and Avoidance Behaviors*. Center for Integrated Research in Cognitive and Neural Sciences, SIUC, \$14,800. (Unfunded)

Obasi, E., Gilbert, D.G., & **Habib, R.** (2007). *Cross-Cultural Effects of Alcohol Intoxication on Affect, Cognitions, and Impulses*. National Institute on Alcohol Abuse and Alcoholism. \$1,000,000. (Unfunded).

Habib, R. (2007). *Neural Correlates of Memory Trace Strength*. National Institute of Mental Health. \$150,000 (Unfunded).

Habib, R. (2006). *Neural Correlates of Memory Trace Strength*. National Institute of Mental Health. \$50,000 (Unfunded).

Dixon, M.R., **Habib, R.**, & Potenza, M.N. (2006). *The Structural, Psychological, and Neurobiological Properties of the Near-Miss*. Institute for Research on Pathological Gambling and Related Disorders. \$150,000 (Unfunded).

Dixon, M.R., & **Habib, R.** (2006). *The Structural, Psychological, and Neurobiological Properties of the Near-Miss*. Southern Illinois University Carbondale Office of Research Development and Administration Interdisciplinary Seed Grant Program. \$29,780 (Unfunded).

Dixon, M.R., & **Habib, R.** (2005). *The Structural, Psychological, and Neurobiological Properties of the Near-Miss*. Southern Illinois University Carbondale Office of Research Development and Administration Interdisciplinary Seed Grant Program. \$60,000 (Unfunded).

Upton, T.D., **Habib, R.**, Constantinidou, F., & Ashley, M.L. (2005). *Influence of Categorization Training on Brain Reorganization in Persons with Brain Injury*. Southern Illinois University Carbondale Office of Research Development and Administration Interdisciplinary Seed Grant Program. \$60,000 (Unfunded).

Habib, R. (2003). Sloan Research Fellowship. \$50,000 (Unfunded).

D. Grants Received:

Dixon, M.R., & **Habib, R.** (2010). *Evaluating and treating the near-miss magnitude effect in underage pathological gamblers*. Institute for Research on Gambling Disorders, \$25,000. (funded for \$33,750)

Habib, R., DiLalla, L., & Huggenvik, J. (2009). *Default Mode Brain Activity as a Function of APOE Genotype: A Combined Genetic-fMRI Study of Early Risk Factors in Alzheimer's Disease*. Center for Alzheimer's Disease and Related Disorders, SIUC, \$28,000 (funded for \$19,900).

Dixon, M.R., & **Habib, R.** (2009). *The Effect of Reinforcer Magnitude on the Neurobiology of Pathological Gambling*. Center for Integrated Research in Cognitive and Neural Sciences, SIUC, \$11,960.

DiLalla, L., Gilbert, D.G., & **Habib, R.** (2009). *Development of an Eye-Gaze Operant Avoidance Behavior Task for Children: Relevance to Brain Activity and Genetic Influences on Delinquent Behaviors*. Center for Integrated Research in Cognitive and Neural Sciences, SIUC, \$13,905.

Habib, R. (2004). *Functional Magnetic Resonance Imaging of Temporarily Inaccessible Long-Term Memories*. Southern Illinois University Carbondale Office of Research Development and Administration Faculty Seed Grant Program. \$20,000 (Completed).

Habib, R. (2001). *Neural Interactions During Multi-Trial Episodic Memory Encoding and Retrieval Revealed with MEG*. Human Frontiers Science Program Organization Short Term Fellowship. \$7,000 (Completed).

E. Honors and Awards: n/a

F. Papers and Presentations at Professional Meetings (*student co-author):

Carlson, J. M., Beacher, F., Reinke, K. S., **Habib, R.**, Harmon-Jones, E., Mujica-Parodi, L. R., & Hajcak, G. (2012). Anterior cingulate cortex gray matter volume correlates with nonconscious attention bias to threat. Poster presented to the annual meeting of the Cognitive Neuroscience Society, Chicago, Illinois.

LaMontagne, P., & **Habib, R.** (2011). Objective versus subjective recollection and posterior parietal cortex. Paper submitted to the annual Illinoisy Conference, Carbondale, Illinois.

Limongi Tirado, R., **Habib, R.**, Young, M. E., & Pressley, K. (2011). Higher-order visual causal representation in the prefrontal and premotor cortices. Paper submitted to the annual meeting of Cognitive Neuroscience Society, San Francisco, California.

*Elam, K., *Geeseman, J., *Kerstein, K., *Zhu, J., *Webb, T., *Parks, S., Huggenvik, J., DiLalla, L., & **Habib, R.** (2010). Differences in left inferior parietal lobule activity during episodic memory retrieval as a function of APOE genotype in healthy young adults. Poster presented at the annual

meeting of the Society for Neuroscience, San Diego, California.

*LaMontagne, P., *Zhu, J., & **Habib, R.** (2010). True and false recollection activates ventral parietal cortex. Poster presented at the annual meeting of the Cognitive Neuroscience Society, Montreal, Quebec, Canada.

Dixon, M.R., & **Habib, R.** (2010). Neuroimaging of pathological gamblers while they are actually gambling. Talk presented at the annual meeting of the Association for Behavior Analysis International, San Antonio, Texas.

*Perschler, P.J., & **Habib, R.** (2009). The role of the inferior parietal lobule during incidental retrieval. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, California.

Bergdahl, M., Bergdahl, J., **Habib, R.**, Nyberg, L., & Nilsson, L.-G. (2009). Edentulousness associated with cognitive decline. Apolipoprotein E4 allele possible factor. Poster presented at the International Association of Dental Research, Miami, Florida.

*Limongi-Tirado, R., **Habib, R.**, Young, M.E., & Reinke, K.S. (2008). Neural basis of attentional top-down modulation of causal judgment. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, California.

*Perschler, P.J., & **Habib, R.** (2008). Modulation of neural activity in the left inferior frontal gyrus as a function of prior and subsequent associative learning. Talk presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, California. *Selected for Graduate Student Presents symposium.*

*Ashley, J., **Habib, R.**, & Clancy Dollinger, S. (2008). The Relation Between Social, Physical, and Cognitive Activity and Cognition in Older Adults. Poster presented at the annual meeting of the Cognitive Aging Conference, Atlanta, Georgia.

*Trahan, M., Dixon, M.R., **Habib, R.**, & Ryan, A.L. (2008). Using fMRI to Assess the Reinforcer Magnitude Effects on Neurobiology of Pathological Gamblers. Poster presented at the annual meeting of the Association for Behavior Analysis International, Chicago, Illinois.

*Perschler, P.J., & **Habib, R.** (2007). Episodic encoding activation of the left posterior parietal cortex. Poster presented at the annual meeting of the Cognitive Neuroscience Society, New York, New York.

*Froeliger, B., & **Habib, R.** (2006). Neural correlates of habituation and dishabituation to emotional valence as a function of contextual novelty.

Talk presented at the annual meeting of the Society for Neurosciences, Atlanta, Georgia.

*Froeliger, B., *Vanderpool, C., & **Habib, R.** (2006). The influence of emotional valence on contextual novelty: An fMRI study. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, California.

Habib, R., & Nyberg, L. (2006). Neural mechanisms underlying temporarily inaccessible long-term memories. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, California.

Habib, R. (2006). Neuroimaging of pathological gamblers. Talk presented at the annual meeting of Behaviorists Interested in Gambling: A Special Interest Group of the Association for Behavior Analysis, Carbondale, Illinois.

Habib, R. (2005). Characteristics of successful aging. Talk presented at the 9th European Congress of Psychology, Granada, Spain.

Dixon, M.R., & **Habib, R.** (2005). Almost winning and losing everything. Talk presented at the annual meeting of the MidAmerican Association for Behavior Analysis, Madison, Wisconsin.

Habib, R., Dixon, M.R., *Gerson, J., & *Bihler, H. (2005). Functional neuroimaging of the near-miss phenomena in recreational gamblers. Poster presented at the annual meeting of the MidAmerican Association for Behavior Analysis, Madison, Wisconsin.

*Froeliger, B., & **Habib, R.** (2005). The influence of emotional valence on contextual novelty. Poster presented at the annual meeting of the Psychonomic Society, Toronto, Canada.

Habib, R., Nyberg, L., & Nilsson, L.-G. (2004). Defining, identifying, and characterizing successful aging. Poster submitted to the annual meeting of the Cognitive Aging Conference, Atlanta, Georgia.

Chau, W., **Habib, R.**, & McIntosh, A.R. (2003). Multi-modality imaging data analysis with partial least squares. Poster presented at the Rotman Research Institute Conference on "Functional Neuroimaging: Advances and Applications", Toronto, Canada.

Düzel, E., **Habib, R.**, Rotte, M., Tulving, E., & Heinze, H.-J. (2002). Functional neuroanatomy of recognition memory for novel configurations of learned stimulus associations. Poster presented at the annual meeting

of the Cognitive Neuroscience Society, San Francisco, California.

Habib, R., Düzel, E., Rotte, M., Tulving, E., Heinze, H.-J. (2002). Functional neuroanatomy of object and spatial associative learning in humans. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, California.

Habib, R. (2001). On the relation between conceptual priming, neural priming, and novelty assessment. Talk presented at the third International Congress on Memory, Valencia, Spain.

Düzel, E., **Habib, R.,** Guderian, S., Pape, H.-C., Tulving, E., & Heinze, H.-J. (2001). Electromagnetic indices of recognition memory for novel spatial configurations of learned stimulus associations. Poster presented at the annual meeting of the Society for Neurosciences, San Diego, California.

Habib, R., Düzel, E., Guderian, S., Tulving, E., & Heinze, H.-J. (2001). MEG and ERP measures of the time-course of object and spatial associative learning in humans. Poster presented at the annual meeting of the Society for Neurosciences, San Diego, California.

Habib, R. (2000). Neuroanatomical correlates of verbal discrimination learning: Functional neuroimaging evidence. Talk presented at the International Congress of Psychology, Stockholm, Sweden.

Habib, R., McIntosh, A. R., & Tulving, E. (2000). Nonlinear brain-behavior relations in verbal learning. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, California.

Habib, R., Lepage, M., McIntosh, A. R., Nyberg, L., Tulving, E. (1999). Novelty assessment in the human brain: A meta-analysis of PET data. Talk presented at the annual meeting of the Society for Neurosciences, Miami, Florida.

Lepage, M., **Habib, R.,** McIntosh, A. R., & Tulving, E. (1999). Activation in the left anterior hippocampus covaries with semantic association during encoding: A PET study. Poster presented at the annual meeting of the Society for Neurosciences, Los Angeles, California.

Habib, R., & Lepage, M. (1998). Hippocampal memory revealed by PET studies. Talk presented at Memory, Consciousness, and the Brain: The Tallinn Conference, Tallinn, Estonia.

Habib, R., Lepage, M., McIntosh, A. R., Moscovitch, M., & Tulving, E. (1998). Learning-related changes in rCBF during verbal encoding and retrieval: Evidence from positron emission tomography. Poster presented

at the annual meeting of the Society for Neurosciences, Los Angeles, California.

Habib, R., Lepage, M., McIntosh, A. R., Nyberg, L., & Tulving, E. (1998). Basal ganglia are involved in episodic memory encoding and retrieval: Evidence from positron emission tomography. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, California.

Cabeza, R., Mangels, J. A., Nyberg, L., **Habib, R.**, McIntosh, A. R., & Tulving, E. (1997). Neural correlates of remembering *What* and remembering *When*: A PET Study. Talk presented at the annual meeting of the Society for Neurosciences, New Orleans, Louisiana.

Habib, R., McIntosh, A. R., & Tulving, E. (1997). Left hippocampal activation correlates with successful recognition discriminability: A positron emission tomography Study. Talk presented at the annual meeting of the Society for Neurosciences, New Orleans, Louisiana.

Köhler, S., **Habib, R.**, Black, S. B., Szekely, C., Sinden, M., & Tulving, E. (1997). Cross-modal priming in a densely amnesic subject. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, California.

Habib, R., Wheeler, M., Cabeza, R., Houle, S., & Tulving, E. (1996). Brain regions associated with encoding of novel information: A positron emission tomography study. Poster presented at the annual meeting of the Society for Neurosciences, Washington, D.C.

Habib, R., Nyberg, L., McIntosh, A. R., Cabeza, R., Houle, S., & Tulving, E., (1996). Brain regions involved in remembering what, where, and when: A positron emission tomography study. Poster presented at the Rotman Research Institute Conference on "Functional Neuroimaging: Advances and Applications", Toronto, Canada.

Habib, R., Nyberg, L., McIntosh, A. R., Cabeza, R., Houle, S., & Tulving, E., (1996). Brain regions involved in remembering what, where, and when: A positron emission tomography study. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, California.

Habib, R., Nyberg, L., Tulving, E., Cabeza, R., Nilsson, L.-G., Kapur, S., Houle, S., & McIntosh, A. R. (1995). Neuroanatomical correlates of visual word recognition. Poster presented at the annual meeting of the Society for Neurosciences, San Diego, California.

G. Other:

Invited Colloquia:

Habib, R. & Elam, K. (2011). Differences in default network and episodic memory related brain activity as a function of APOE genotype in healthy young adults. Invited talk at XI International Conference on Cognitive Neuroscience, Mallorca, Spain.

Habib, R. (2006). The Neural Signature of Temporarily Inaccessible Memories. Talk presented at Northwestern University, Evanston, Illinois.

Habib, R. (2005). fMRI Studies of Cognitive Function: An Overview. Talk presented at Linköpings University Department of Psychology, Linköpings, Sweden.

Habib, R. (2005). Classifying Individuals using Q-Mode Methods. Talk presented at Kronlund workshop on Hierarchical Linear Modeling, Kronlund, Sweden.

Habib, R. (2004). Defining, identifying, and characterizing successful aging. Talk presented at Umeå University Department of Psychology, Umeå, Sweden.

Habib, R. (2004). Defining, identifying, and characterizing successful aging. Talk presented at the Washington University Psychology Department Behavior, Brain, & Cognition Research Seminar, St. Louis, Missouri.

Habib, R. (2004). Defining, identifying, and characterizing successful aging. Talk presented at Stockholm University Department of Psychology, Stockholm, Sweden.

Habib, R. (2003). Functional Neuroimaging of Novelty Assessment. Talk presented for the SIU Cognitive Science Colloquium series, Carbondale, Illinois.

V. Publications and Creative Works

A. Books: n/a

B. Articles in Professional Journals:

Published / In Press:

Limongi, R., Sutherland, S.C., Zhu, J., Young, M.E., **Habib, R.** (2013). Temporal Prediction Errors Modulate Cingulate-insular Coupling. *Neuroimage*, 71. 147-157.

Carlson, J.M., Beacher, F., Reinke, K.S., **Habib, R.**, Harmon-Jones, E., Mujica-Parodi, L.R., Hajcak, G. (2012). Nonconscious attention bias to threat is correlated with anterior cingulate cortex gray matter volume: A voxel-based morphometry result and replication. Neuroimage, 59(2), 1713-1718.

Carlson, J.M., Reinke, K.S., LaMontagne, P.J., & **Habib R.** (2011). Backward masked fearful faces enhance contralateral occipital cortical activity for visual targets within the spotlight of attention. Social Cognitive and Affective Neuroscience, 6(5), 639-645.

Nyberg, L., Kim, A.S.N., **Habib, R.**, Levine, B., & Tulving, E. (2010). Consciousness of subjective time in the brain. Proceedings of the National Academy of Sciences, 107(51), 22356-22359.

LaMontagne, P.J., & **Habib, R.** (2010). Episodic encoding activation of left posterior parietal cortex. Neuropsychologia, 48, 3317-3322.

Habib, R., & Dixon, M.R. (2010). Neurobehavioral Evidence for the "Near-Miss" Effect in Pathological Gamblers. Journal of the Experimental Analysis of Behavior, 93, 313-328.

Salami, A., Eriksson, J., Kompus, K., **Habib, R.**, Kauppi, K., & Nyberg, L. (2010). Characterizing the neural correlates of modality-specific and modality-independent accessibility and availability signals in memory using partial least squares. Neuroimage, 52(2), 686-698.

Dixon, M.R., Nastally, B.L., Jackson, J.E., & **Habib, R.** (2009). Altering the 'near-miss' effect in slot machine gamblers. Journal of Applied Behavior Analysis, 42(4), 913-918.

Carlson, J. Reinke, K.S., & **Habib, R.** (2009). A left amygdala mediated network for rapid orienting to masked fearful faces. Neuropsychologia, 47(5), 1386-1389.

Habib, R., & Nyberg, L. (2008). Neural correlates of availability and accessibility in memory. Cerebral Cortex, 18, 1720-1726.

Bergdahl, M., **Habib, R.**, Bergdahl, J., Nyberg, L., & Nilsson, L.-G. (2007). Natural teeth and preserved cognitive function in humans. Scandinavian Journal of Psychology, 48, 557-565.

Herlitz, A., Thilers, P.P., & **Habib, R.** (2007). Endogenous estrogen is not associated with cognitive performance before, during, and following

menopause. Menopause, 14(3 Pt 1), 425-431.

Habib, R., Nyberg, L., & Nilsson, L.-G. (2007). Cognitive and non-cognitive factors contributing to the longitudinal identification of successful older adults in the Betula study. Aging, Neuropsychology, and Cognition, 14(3), 257-273.

Schott, B. H., Sellner, D. B., Lauer, C.-J., **Habib, R.**, Frey, J. U., Guderian, S., Heinze, H.-J., & Düzel, E. (2004). Activation of midbrain structures by associative novelty and the formation of explicit memory in humans. Learning and Memory, 11(4), 383-387.

Düzel, E., **Habib, R.**, Guderian, S., Heinze, H.-J. (2004). Four Types Of Novelty-Familiarity Responses In Associative Recognition Memory Of Humans, European Journal of Neuroscience, 19(5), 1408-1416.

Chau, W., **Habib, R.**, & McIntosh, A. R. (2004). Multi-modal imaging data analysis with partial least squares. Brain and Cognition, 54(2), 140-142.

Habib, R., McIntosh, A. R., Wheeler, M. W., & Tulving, E. (2003). Memory encoding and hippocampally based multiple novelty / familiarity discrimination networks. Neuropsychologia, 41(3), 271-279.

Düzel, E., **Habib, R.**, Schott, B., Schoenfeld, A., Lobaugh, N.J., McIntosh, A.R., Scholz, M., & Heinze, H.-J. (2003). A multivariate, spatiotemporal analysis of electromagnetic time-frequency data of recognition memory, Neuroimage, 18(2), 185-197.

Habib, R., Nyberg, L., & Tulving, E. (2003). Hemispheric Asymmetries of Memory: The HERA Model Revisited, Trends in Cognitive Sciences, 7(6), 241-245.

Düzel, E., **Habib, R.**, Rotte, M., Tulving, E., & Heinze, H.-J. (2003). Human hippocampal and parahippocampal activity during visual associative recognition memory for spatial and non-spatial stimulus configurations, Journal of Neuroscience, 23(28), 9439-9444.

Persson, J., **Habib, R.**, & Nyberg, L. (2002). Decreased activity in inferotemporal cortex during explicit recognition memory, Neuroreport, 13(17), 2181-2185.

Habib, R. (2001). On the relation between conceptual priming, neural priming, and novelty assessment. Scandinavian Journal of Psychology, 42(3), 187-195.

Nyberg, L., Persson, J., **Habib, R.**, Tulving, E., McIntosh, A. R., Cabeza, R., & Houle, S. (2000). Large scale neurocognitive networks underlying

episodic memory. Journal of Cognitive Neuroscience, 12, 163-173.

Lepage, M., **Habib, R.**, Cormier, H., Houle, S., & McIntosh, A. R. (2000). Neural correlates of semantic associative encoding in episodic memory. Cognitive Brain Research, 9(3), 271-280.

Nyberg, L., **Habib, R.**, & Herlitz, A. (2000). Brain activation during episodic memory retrieval: Sex differences. Acta Psychologica, 105, 181-194.

Habib, R., McIntosh, A. R., & Tulving, E. (2000). Individual differences in the functional neuroanatomy of verbal discrimination learning revealed by positron emission tomography. Acta Psychologica, 105, 141-157.

Nyberg, L., **Habib, R.**, McIntosh, A. R., & Tulving, E. (2000). Reactivation of encoding-related brain activity during memory retrieval. Proceedings of the National Academy of Sciences of the United States of America, 97(20), 11120-11124.

Tulving, E., **Habib, R.**, Nyberg, L., Lepage, M., & McIntosh, A. R. (1999). Positron emission tomography correlations in and beyond medial temporal lobes. Hippocampus, 9(1), 71-82.

Lepage, M., **Habib, R.**, & Tulving, E. (1998). Hippocampal PET activations of memory encoding and retrieval: The HIPER model. Hippocampus, 8(4), 312-322.

Habib, R., & Nyberg, L. (1997). Incidental retrieval processes influence explicit test performance with data-limited cues. Psychonomic Bulletin & Review, 4(1), 130-133.

Cabeza, R., Mangels, J., Nyberg, L., **Habib, R.**, McIntosh, A. R., Houle, S., & Tulving, E. (1997). Brain regions differentially involved in remembering *What* and *When*: a PET study. Neuron, 19, 863-870.

Köhler, S., **Habib, R.**, Black, S. E., Szekely, C., Sinden, M., & Tulving, E. (1997). Cross-modal priming in the densely amnesic subject K.C. Brain & Cognition, 35(3), 420-423.

Nyberg, L., McIntosh, A. R., Cabeza, R., Nilsson, L.-G., Houle, S., **Habib, R.**, & Tulving, E. (1996). Network analysis of positron emission tomography regional cerebral blood flow data: Ensemble inhibition during episodic memory retrieval. Journal of Neuroscience, 16(11), 3753-3759.

Nyberg, L., McIntosh, A. R., Cabeza, R., **Habib, R.**, Houle, S., & Tulving, E. (1996). General and specific brain regions involved in encoding and retrieval of events: What, where, and when. Proceedings of the National

Academy of Sciences of the United States of America, 93, 11280-11285.

Habib, R., Jelacic, M., & Craik, F. I. M. (1996). Are implicit memory deficits in the elderly due to differences in explicit memory processes? Aging, Neuropsychology, and Cognition, 3(4), 264-271.

Tulving, E., Markowitsch, H. J., Craik, F. I. M., **Habib, R.**, & Houle, S. (1996). Novelty and familiarity activations in PET studies of memory encoding and retrieval. Cerebral Cortex, 6, 71-79.

Nyberg, L., Tulving, E., **Habib, R.**, Nilsson, L.-G., Kapur, S., Houle, S., Cabeza, R., & McIntosh, A. R. (1995). Functional brain maps of retrieval mode and recovery of episodic information. Neuroreport, 7, 249-252.

Tulving, E., Markowitsch, H. J., Kapur, S., **Habib, R.**, & Houle, S. (1994). Novelty encoding networks in the human brain: Positron emission tomography data. Neuroreport, 5(18), 2525-2528.

Tulving, E., Kapur, S., Markowitsch, H. J., Craik, F. I. M., **Habib, R.**, & Houle, S. (1994). Neuroanatomical correlates of retrieval in episodic memory: Auditory sentence recognition. Proceedings of the National Academy of Sciences of the United States of America, 91, 2012-2015.

In Revision

Dixon, M.R., **Habib, R.**, Wilson, A. (Submitted). Neurological Correlates of Slot Machine Jackpot Magnitudes in Pathological Gamblers.

Limongi Tirado, R., **Habib, R.**, Young, M.E., & Reinke, K. (Submitted). The periphrastic effect: an fMRI study of linguistic-driven attentional control of causal judgment.

Submitted:

In preparation:

C. Creative Contributions: n/a

D. Chapters in Professional Books:

Nyberg, L., & **Habib, R.** (2008). Hemispheric asymmetry of memory. Encyclopedia of Neuroscience.

Habib, R., & Lepage, M. (2000). Novelty assessment in the brain. In E. Tulving (ed.), Memory, Consciousness, and the Brain: The Tallinn

Conference. Philadelphia: Psychology Press, 265-277.

E. Book Reviews: n/a

F. Other:

Editorial:

Habib, R. (2009). Introduction to the Special Issue on episodic memory and the brain. Neuropsychologia.

Guest Editor – Journal Special Issue:

Habib, R. (2009). Special Issue on episodic memory and the brain. Neuropsychologia.

VI. Teaching Experience

A. Teaching Interests and Specialties:

Research Methods and Statistics
Cognitive Psychology
Cognitive Neuroscience
Human Memory
Intermediate Statistics
Multivariate Statistics

B. Teaching and Training Grants: n/a

C. Teaching Awards and Honors: n/a

D. Current Graduate Faculty Status: Member

E. Number of Master's and Ph.D. Committees on which you have served:

Completed Dissertations:

1. Frank Nation, CoBA, October, 2013
2. Yang Fenc, MCMA, September, 2013
3. Lauren Jensen, Psychology, July, 2013
4. Autumn McKeel, Rehab, June, 2013
5. Adam Hahs, Rehab, June, 2013
6. Seth Berry, Psychology, September, 2012
7. JP Stearns, CoBA, August, 2012
8. Alyssa Wilson, Rehab, June, 2012
9. Joe Geeseman, Psychology, June, 2012

10. Steven Sutherland, Psychology, May, 2012
11. Andrew Molnar, Psychology, May, 2012
12. Sonya Bettendorf, Psychology, April, 2012
13. Alicia Swan, Psychology, August, 2011
14. John Pingo, Rehab, November, 2010
15. Becky Nastally, Rehab, June, 2010
16. Rob Boostrom, CoBA, June, 2010
17. Darla Honn, CoBA, May, 2010
18. Jonathan Hammersley, Psychology, August, 2009
19. Jessica Ashley, Psychology, May, 2008
20. Brett Froeliger, Psychology, November, 2007
21. Olga Nikonova, Psychology, July, 2007
22. John Guercio, Rehab, September, 2006
23. Jared Edwards, Psychology, June, 2006
24. Nathan Gump, Psychology, April, 2005

Completed Master's:

1. Sam Kramer, Psychology, December, 2013
2. Jordan Constance, Psychology, October, 2013
3. Megan Aiello, Psychology, July, 2013
4. Sam Larson, Psychology, June, 2013
5. Kristin Wiggs, Psychology, May, 2013
6. Sherrie Parks, Psychology, March, 2013
7. Robert Russell, Psychology, December, 2012
8. EiEi Hlang, Psychology, November, 2011
9. Sylvia Lee, Psychology, October, 2011
10. Matthew Picchiatti, Psychology, September, 2011
11. Jackie Klaver, Psychology, August, 2011
12. Seth Berry, Psychology, January, 2011
13. Autumn McKeel, Rehab, July, 2010
14. Amy Loukus, Rehab, July, 2010
15. Alyssa Wilson, Rehab, June, 2010
16. Jill Mayer, Psychology, May, 2010
17. Joe Geeseman, Psychology, April, 2010
18. Michael Bordieri, Rehab, June, 2009
19. Becky Nastally, Rehab, June, 2008
20. Sarah Dunkel, Rehab, June, 2008
21. Ruchi Brahmachari, Psychology, May, 2008
22. Holly Bihler, Rehab, July, 2007
23. Erica Pozzie, Rehab, June, 2007
24. Bethany Holton, Rehab, April, 2007
25. Abby Johnson, Psychology, December, 2006
26. Angela Lamacchia, Psychology, December, 2006
27. Lynette Adams, Psychology, July, 2005

Dissertation Prospectus:

1. Clare Lewandowski, Psychology
2. Shuquin Wei, CoBA
3. Jillian Mayer, Psychology
4. Sylvia, Lee, Psychology
5. Rashida Barner, Psychology
6. Jackie Klaver, Psychology
7. Donna LaBarge, Psychology
8. EiEi Hlaing, Psychology

Master's Prospectus:

1. Cassandra Dinius, Psychology
2. Kimberly Stevens, Psychology
3. Megan Morrison, Psychology
4. Ted Graham, Psychology

F. Names of Students who have completed Master's Theses and Doctoral Dissertations under your direction:

1. Tara Webb, M.A., Psychology, March, 2013
2. Jian Zhu, M.A., Psychology, December, 2012
3. Pam LaMontagne, Ph.D., Psychology, October, 2010
4. Kit Elam, Ph.D., Psychology, August, 2010
5. Pam Perschler, M.A., Psychology, October, 2008
6. Josh Carlson, Ph.D., Psychology, April, 2008
7. Roberto Limongi-Tirado (co-advised with Michael Young), Ph.D., Psychology, September, 2007
8. Jessica Ashley, M.A., Psychology, May, 2006
9. Brett Froeliger, M.A., Psychology, May, 2006

G. Other:

Panel Discussion for Psyc595L Section 2, Practicum in the Teaching of Psychology, October, 2004.

Undergraduate Honor's Thesis:

1. Natalie Bryant, Psychology, May, 2008
2. Chelsea Vanderpool, Psychology, May, 2006

Courses Taught:

Cognitive Psychology (Psyc310)

Fall 2003, Spring 2004, Summer 2004, Fall 2004, Spring 2005, Summer 2005, Fall 2005, Spring 2006, Summer 2006, Summer 2007, Spring 2008, Spring 2009, Spring 2010.

Theory & Research in Cognitive Psychology (Psyc515)
Fall 2003, Fall 2005, Fall 2006, Fall 2007, Fall 2008, Fall 2009, Spring 2011, Fall 2011, Fall 2012, Fall 2013.

Research Methods in Psychology (Psyc211)
Spring 2004, Spring 2005.

Animal and Human Models of Memory (Psyc489)
Spring 2004 (Co-taught with Dr. Doug Smith).

Cognitive Neuroscience (Psyc489)
Fall 2004, Spring 2008, Spring 2010, Spring 2012.

Intermediate Statistics (Psyc489)
Spring 2006, Fall 2006, Fall 2007, Fall 2008, Fall 2009.

Readings in Psychology (Psyc590)
Spring 2004, Spring 2005, Spring 2006, Fall 2008, Fall 2009, Spring 2011, Fall 2012.

Human Memory (Psyc 489)
Spring 2009

Experimental Design and Analysis (Psyc 522)
Spring 2011, Spring 2012, Spring 2013.

Multivariate Methods of Psychology (Psyc 524)
Fall 2011, Fall 2012, Fall 2013.

Invited Lectures:

2004 - 2013 School of Medicine Memory Lecture:
Cognitive neuroscience of memory

2005 Psychology 517: *Aging, Memory and Cognition*
Functional Neuroimaging: A Window into the Aging Brain?

2004 Psi Chi/PSA meeting
What the brain is good for?

2003 Psychology 302: *Biopsychology*
Functional Neuroimaging and Memory

VII. University Experience

A. Department Committees:

Chair, Undergraduate Curriculum Committee, 2012 – Present
Chair, Graduate Admissions Committee, 2012 – Present
LAN Administrator, 2012 – Present
Departmental Retreat Committee, 2005 – 2007
Departmental Research Committee, 2006 – 2009
Graduate Admissions Committee, 2005 – 2006, 2009 – 2010
Undergraduate Curriculum Committee, 2003 – 2005
Departmental Colloquium Committee, 2005

B. College and University Committees and Councils:

Grad Council, 2012 – Present
CoLA Council, 2013 – Present
Campus Wide Assessment Committee, 2013 – Present
Tuition on Grants Committee, 2012 – Present
Financial Conflict of Interest Committee, 2012 – Present
MA Fellowship Review Committee, 2011 - 2013
Rehabilitation Institute Internal Review Team, 2011
Center for Autism Spectrum Disorders Internal Review Team, 2007
Neuroscience minor committee, 2005

C. Other:

Illinois Junior Science and Humanities Symposium 2005 – 2008
School of Medicine Cortical Mini Case 2004 – 2005
Saluki Finals Finish 2003 – 2008
CogSci RSO Faculty Advisor 2004 – 2009
Faculty Mentor for Graduate Student Instructors 2007 – 2008

VIII. Professional Service

A. Membership in Professional Associations:

Member, Memory Disorders Research Society
Behavioral and Brain Sciences Associate

B. Offices Held and Honors Awarded in Professional Associations:

Sigma Xi Nominations Committee, 2005 – 2008

C. Consultantships: n/a

D. Evaluation of Manuscripts for Journals and Book Publishers and of Grant Proposals for Agencies:

Grant Committees:

Illinois Department of Public Health Alzheimer's Disease Research review panel, 2010

NIH Special Emphasis Panel on Member Conflicts in Cognition, Perception, and Language, ZRG1 BBBP-M (02), 2008

NIH F02A study section, 2006

NIH Cognition & Perception study section, 2006

Ad Hoc Reviewer:

Acta Psychologica

American Journal of Psychiatry

Brain Research

Cerebral Cortex

European Journal of Neuroscience

Hippocampus

Journal of Cognitive Neuroscience

Journal of Neuroscience

Neural Plasticity

Neuroimage

Neuropsychologia

Neuroscience

Psychiatry Research

Psychological Record

Scandinavian Journal of Psychology

E. Papers and Presentations at Professional Meetings: n/a

F. Other: n/a

IX. Community Service

Classroom Volunteer, Giant City School