CURRICULUM VITAE
David Mark Schnyer
October 2009

PERSONAL INFORMATION

Current Employment:

Associate Professor of Psychology
Department of Psychology
University of Texas A8000
Austin, Texas 78712
tel: (512) 471-8505
fax: (512) 232-4202
Schnyer@psy.utexas.edu

Place of Birth - Englewood, NJ
Citizenship - USA

EDUCATION

1998	University of Arizona, Doctor of Philosophy Major: Clinical Psychology Specialization: Neuropsychology Dissertation Committee Chair: Dr. Alfred W. Kaszniak Title: *A psychophysiological examination of memory dysfunction and disrupted distributed cortical processing in Alzheimer's dementia*
1998	University Medical Center, Clinical Internship
1994	University of Arizona, Master of Arts, Experimental Psychology
1992	University of Virginia, Bachelor of Arts with Distinction Major: Latin American Studies Minor: Psychology

HONORS AND AWARDS

2006	Fellowship, David Wechsler Regents Chair in Psychology, UT Austin
2005-2007	NIH Clinical Research Loan Repayment Program Recipient - Renewal
2003-2005	NIH Clinical Research Loan Repayment Program Recipient
2001	Laird Cermak Memorial Lecture to the Massachusetts Neuropsychological Society
1996-97	McDonald-Pew Fellowship in Cognitive Neuroscience
1995-96	Flynn Cognitive Research Fellowship
1993	Social and Behavioral Sciences Student Travel Scholarship, Annual meeting of Society for Psychophysiology Research, Rottach-Egern, Germany

1991-92 Daniel Kerr Stewart Scholarship. University of Virginia

PROFESSIONAL EXPERIENCE

2006-present	Associate Professor of Psychology, University of Texas, Austin
2008-present	Full Faculty member, Institute for Neuroscience, UT Austin
2006-2008	Associate Director of Education, Imaging Research Center, UT Austin
2002-2006	Assistant Professor of Psychiatry, Boston University School of Medicine
2001-present	Visiting Scientist – Department of Radiology, Mass General Hospital
2000-2002	Research Associate – Memory Disorders Research Center
1999-00	Research Specialist, Senior - The Cognition and Neuroimaging Laboratories
1998-99	Post-doctoral Fellow - The Arizona Alzheimer's Disease Research Center

RESEARCH INTERESTS

My research is focused on the Cognitive Neuroscience of memory and decision-making, examining the neural structures and computational algorithms that contribute to decision learning, associative memory, and metamemory. These questions are approached with a range of methodological tools – lesion studies, fMRI and MEG/EEG. More recently we have begun to examine the effect of mental fatigue on learning and decision-making utilizing fMRI and EEG measurements.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

Memory Disorders Research Society (elected membership)
Cognitive Neuroscience Society
Society for Neuroscience
American Psychological Society
Organization for Human Brain Mapping

GRANT FUNDING:

Current:

1) ARL HRED Schnyer (PI) Kornguth (Core-PI) 2/01/2007-1/31/2009
(extensions available to 2011)
Sustaining and Enhancing High Optempo Performance of Soldiers in the Transformed Military
Role: PI, Project 5: fMRI Imaging of Brain Activation in Conditions of Stress and Fatigue (20%)
($890,960 – 2 years)

2) Merit Review McGinchey (PI) 3/05-2/10
Classical Associative Learning in Male and Female Detoxified Veterans
Role: Co-I, in charge of the neuroimaging component. (5% time)

3) HD046442 Alexander (PI) 12/1/04 – 11/30/08
NIH/HD
Cognitive and functional recovery after cardiac arrest
Role: Co-I, in experimental protocol and statistical analysis (15% time)
($1,111,140)

4) AA014205 McGinchey (PI) 10/01/04 – 9/31/09
NIH/AA
Cognitive Changes Associated with Chronic Alcohol Abuse
Role: Co-I, in charge of the neuroimaging component. (5% time)
($1,125,000)

Current - Mentor Role:

AA017022-01A1 NIA – Fromme (PI), Schnyer (Co-PI), Wetherhill (Doctoral Fellow) 7/01/08 – 6/30/09
Neural Substrates of Inhibition: A Prospective Test Among Adolescents at Genetic Risk for Depression

Mind & Life Institute Saggar (Student PI) Schnyer (Faculty mentor) 3/01/2007-2/28/2008
Developing a Computational Model for Meditation Using Cross
Cortical Synchrony in EEG Data
Role: Faculty mentor
($10,000)

Undergraduate Research Fellowship, UT Austin Tenison (PI) Schnyer (Faculty Mentor) 4/1/2009-5/31/2009 ($1000)

Undergraduate Research Fellowship, UT Austin Williams (PI) Schnyer (Faculty Mentor) 1/3/2008-8/31/2008 ($1000)

Undergraduate Research Fellowship, UT Austin Dailey (PI) Schnyer (Faculty Mentor) 1/3/2008-8/31/2008 ($1000)

Under Review:

NIMH – Beevers & Schnyer (Co-PIs) 01/10 – 12/14. Neural Substrates of Inhibition: A Prospective Test Among Adolescents at Genetic Risk for Depression

NIMH – Stice (PI), Schnyer (Co-I) 04/10 – 03/15. Relation of Elevated Food Reward to Risk for Bulimic Pathology Onset

NIMH – Schnyer (PI) 04/10 – 03/13 . Cognitive and neural changes due to chronic sleep restriction in college students

NIMH – Schnyer (Mentor), Pacheco (Fellow) - The neural impact of 5-HTTLPR genotype on age-related change in memory monitoring

Past:

Instructional Technology Grant Proposal – College of Liberal Arts UT Austin
Neuroimaging Imaging in the Classroom Schnyer (PI)
Proposal to establish a Neuroimaging Classroom in Psychology with 30 workstations and Web based interface
9/07-5/08 ($105,000)

MH64004 Schnyer (PI) 08/01/01 – 07/31/06
NIH/NIMH
Preserved and Disrupted Memory Processing in Amnesia
This K-award is a training grant aimed at gaining expertise in multimodal brain imaging technologies and applying these to the study of preserved and disrupted memory processing in amnesia.
Role: PI

NIH/NIA Albert (PI) 8/03-7/08
Language in the Aging Brain
Role: Neuroimaging specialist (30% time)

1999-00 University of Arizona Center for Consciousness Studies Small Grant Program (renewal) - PI: David M. Schnyer (10K)

1998-99 University of Arizona Center for Consciousness Studies Small Grant Program- PI: David M. Schnyer (20K)

1996-98 Dissertation funding from the NIH funded National Center for Neurogenic Communication Disorders PI: David M. Schnyer (10K)

1994 Office of the Dean, Social and Behavioral Sciences Small Research Grants Program- PI: John J.J.B. Allen (5K)

PUBLICATIONS:

Peer-Reviewed Journal Articles:

Beevers, C, Pacheco, J., Clasen, P. McGeary, J. & **Schnyer, D.M.** (accepted). Prefrontal Morphology, 5-HTTLPR Polymorphism, and Biased Attention for Emotional Stimuli. *Genes, Brain and Behavior*.

Trujillo, L.T., Allen, J.B., **Schnyer, D.M.**, & Peterson, M.A. (under revision). Neurophysiological evidence for the influence of past experience on figure-ground perception. Journal of Vision.

Leritz, E.C., Salat, D.H., Milberg, W.P., Williams, V.J., Chapman, C.E., Grande, L.J., Rudolph, J.L., **Schnyer, D.M.**, Barber, C.E., Lipsitz, L., Fischl, B., McGlinchey, R.E. (In Press). Variation in Blood Pressure is Associated with White Matter Microstructure but not Cognition in African Americans. *Neuropsychology*.

Saggar, M., Miikkulainen, R.P. & **Schnyer, D.M.** (Accepted for Publication). Behavioral, neuroimaging, and computational evidence for perceptual caching in repetition priming. *Brain Research.*

Marsolek, C.J., Deason, R.G., Ketz, N.A., Ramanathan, P., Bernat, E.M., Steele, V.R., Patrick, C.J., Verfaellie, M., **Schnyer, D.M.** (Accepted for publication). Identifying objects impairs knowledge of other objects: A relearning explanation for the neural repetition effect. *NeuroImage.*

Schnyer, D.M., Maddox, W.T., Ell, S., Davis, S., Pacheco, J., & Verfaellie, M. (2009). Prefrontal contributions to rule-based and information integration category learning. *Neuropsychologia,* 47, 2995-3006.

Beevers, C.G. & **Schnyer, D.M.** (2009). The Serotonin System and the Cognitive Control of Emotion: Associations with Depression Vulnerability. *Frontiers in Neuroscience.*

Obler, L.K., Rykhlevskaia, E., **Schnyer, D.M.**, Clark-Cotton, M.R., Hyun, J., Kim, D., Spiro, A., Goral, M., Albert, M.L. (pending revision). Bilateral Brain Regions Associated with Naming in Older Adults. *Brain and Language*

Pacheco, J., Beevers, C., Benavides, C., McGeary, J., Stice, E. and **Schnyer, D.M.** (2009). Frontal-Limbic White Matter Pathway Associations with the Serotonin Transporter Gene Promoter Region (5-HTTLPR) Polymorphism. *Journal of Neuroscience, 29.* 6229-6233.

Maddox, W.T., Glass, B.C., Wolosin, S.M., Savarie, Z.R., Bowen, C., Mathews, M.D., & **Schnyer, D.M.** (In Press). The Effects of Sleep Deprivation on Information-Integration Categorization Performance. *Sleep.*

Trujillo, L.T., Kornguth, K., & **Schnyer, D.M.** (2009). An ERP Examination of the Differential Effects of Sleep Deprivation on Exogenously Cued and Endogenously Cued Attention. *Sleep,* 32, 1285-1297.

Rocklage, M, Williams, V, Pacheco, J. & **Schnyer, D.M.** (2009). White matter differences predict cognitive vulnerability to sleep deprivation. *Sleep.* 32. 1100-1103.

Schnyer, D.M., Zeithamova, D. & Williams, T. (2009). Decision Making Under Conditions of Sleep Deprivation: Cognitive and Neural Consequences. *Military Psychology* 21, 36-45.

Glass, B.D., Maddox, W.T., Markman, A.B., & **Schnyer, D.M.** (2009). The Effects of Sleep Deprivation on the Exploration-Exploitation Tradeoff. *Military Psychology,* 21, 46-54.

Maddox, W.T., Zeithamova, D. & **Schnyer, D.M.** (2009). Dissociable Processes in Classification: Implications from Sleep Deprivation. *Military Psychology,* 21, 55-61.

Giovanello, K.S., **Schnyer, D.M.**, & Verfaellie (2009). Distinct hippocampal regions make unique contributions to relational memory, *Hippocampus.*19:2, 111-117.

Zeithamova, D., Maddox, W.T., & **Schnyer, D.M.** (2008). Dissociable Prototype Learning Systems: Evidence from Brain Imaging and Behavior. *Journal of Neuroscience.* 28, 13194-13201.

Ghuman, A.S., Bar, M., Dobbins, I.G., & **Schnyer, D.M.** (2008). The Effects of Priming on Frontal-Temporal Communication. *Proceedings of the National Academy of Science*, 24, pp. 8405– 8409.

Rosenbaum, R.S., Moscovitch, M., Foster, J.K., **Schnyer, D.M.**, Gao, F.Q., Kovacevic, N., Verfaellie, M., Black, S.E., & Levine, B. (2008) Patterns of autobiographical memory loss in medial temporal lobe amnesic patients. Journal of Cognitive Neuroscience. *Journal of Cognitive Neuroscience*, 20, pp. 1–17.

Sorond, F.A., **Schnyer, D.M.**, Serrador, J.M., Milberg, W.P., & Lipsitz, L.A. (2008). Cerebral blood flow regulation during cognitive tasks: Effects of healthy aging. *Cortex,* 44(2), pp. 179-184.

Kan, I.P., Giovanello, K.S., **Schnyer, D.M.**, Makris, N., Verfaellie, M. (2007). Role of the medial temporal lobes in relational memory: Neuropsychological evidence from a cued recognition paradigm. *Neuropsychologia.* 45(11), 2589-97.

Eddy, M., **Schnyer, D.M**., Schmidt, A., & Holcomb, P. (2007). Spatial Dynamics of Masked Picture Repetition Effects. *NeuroImage*, 34(4), 1723-1732.

Schnyer, D. M., Dobbins, I. G., Nicholls, L., Verfaellie, M., & Schacter, D. L. (2007). Item to decision mapping in rapid response learning. *Memory and Cognition*. 11, 1472-1482.

Ryan, L.T., & **Schnyer, D.M.** (2007). Regional specificity of format specific priming effects in a word reading task using functional magnetic resonance imaging. *Cerebral Cortex.* 17(4), 982-992.

Marsolek, C.J., **Schnyer, D.M.**, Deason, R.G., Ritchey, M., & Verfaellie, M. (2006). Visual anti-priming: Functional evidence for superimposed visual object representations. *Cognitive, Affective, & Behavioral Neuroscience*. 6(3), 163-174.

Schnyer, D.M., Dobbins, I.G., Nicholls, L.D., & Verfaellie, M. (2006) Rapid response learning in amnesia: Delineating associative learning components in repetition priming. *Neuropsychologia, 44,* 140-149.

Schnyer, D.M., Nicholls, L.D., & Verfaellie, M. (2005). The role of VPMC in metamemorial judgments of content retrievability. *Journal of Cognitive Neuroscience*. *17,* 832-846

Schacter, D.L., Dobbins, I.G., and **Schnyer, D.M.** (2004). Specificity of priming: A cognitive neuroscience perspective. *Nature Neuroscience Reviews*. 5, 853-62.

Hayes, S.M., Ryan, L., **Schnyer, D.M.** & Nadel, L. (2004). An fMRI Study of Episodic Memory: Retrieval of Object, Spatial, and Temporal Information. *Behavioral Neuroscience,* 118, 885-896.

Lim, C., Alexander, M.P., LaFleche, G., **Schnyer, D.M.**, and Verfaellie, M. (2004). The neurological and cognitive sequelae of cardiac arrest. *Neurology, 63*,1774-8.

Dobbins, I.G., **Schnyer, D.M.**, Verfaellie, M., & Schacter, D.L. (2004). Cortical activity reductions during repetition priming can result from rapid response learning. *Nature, 428:6980*, 316-319.

Schnyer, D.M., Verfaellie, M., Alexander, M.P., LaFleche, G., Nicholls, L., & Kaszniak, A.W. (2004). A Role for Right Medial Prefrontal Cortex in Accurate Feeling of Knowing Judgments: Evidence from Patients with Lesions to Frontal Cortex. *Neuropsychologia, 42:7,* 957-966.

Giovanello, K., **Schnyer, D.M.** & Verfaellie, M. (2004). Critical Role for the Anterior Hippocampus in Relational Memory: Evidence from a fMRI Study Comparing Associative and Item Recognition. *Hippocampus, 14:1,* 5-8.

De Weerd, P., Reinke, K., Ryan, L., McIsaac, T., Perschler, P., **Schnyer, D.**,

Trouard, T., & Gmitro, A. (2003). Cortical Mechanisms for Acquistion and Performance of Bimanual Motor Sequences. *NeuroImage*, 19, 1405-1416.

Schnyer, D.M., Ryan, L.T., T.E. Trouard, & Forster, K.I. (2002). Masked word repetition results in increased fMRI signal: A framework for understanding signal changes in priming. *NeuroReport, 13,* 281-284.

Ryan, L., Nadel, L., Keil, T., Putnam, K., **Schnyer, D.**, Trouard, T., & Moscovitch, M. (2001). The hippocampal complex and retrieval of recent and very remote autobiographical memories: Evidence from functional magnetic resonance imaging in neurologically intact people. *Hippocampus, 11*, 707-714.

Schnyer, D.M., Allen, J.J.B., Kaszniak, A.W. & Forster, K. (1999).An Event-Related Potential Examination of Masked and Unmasked Repetition Priming in Alzheimer's Disease: Implications for Theories of Implicit Memory. *Neuropsychology*, 13, 323-337.

Schnyer, D.M., Allen, J.J.B. & Forster, K. (1997). An Event-Related Brain Potential Examination of Implicit Memory Processes: Masked and Unmasked Repetition Priming. *Neuropsychology*, 11, 243-260.

Schnyer, D.M., and Allen, J.J. (1995). Attention-related electroencephalographic and event-related potential predictors of responsiveness to suggested posthypnotic amnesia. *The International Journal of Clinical and Experimental Hypnosis, 43*, 295-315.

Peer-Reviewed Published Proceedings

Saggar, M., Miikkulainen, R. & Schnyer, D.M. (2008). Memory Processes in Perceptual Decision Making. Proceedings of the 30th Annual Conference of the Cognitive Science Society (p. 2210). Austin, TX: Cognitive Science Society.

Peer-Reviewed Published Abstracts:

Steele, V. R., Deason, R. G., Bernat, E. M., Patrick, C. J., Schnyer, D. M., & Marsolek, C. J. (2008). Early and late effects in event-related potentials differentiate visual object priming and antipriming. Presented at the Society for Psychophysiological Research Annual Meeting, Austin, TX. Psychophysiology, 45 (Suppl.), 23.

Eddy, M. Schnyer, D.M. Schmid, A. & Holcomb, P.J. (2005). fMRI Repetition Effects of Masked Picture Priming. Journal of Cognitive Neuroscience, Supplement, G243.

D. M. Schnyer, L. D. Nicholls, M. Verfaellie, and C. J. Marsolek (2005). Visual anti-priming: Tests of amnesic patients and older controls. Journal of Cognitive Neuroscience, Supplement, C147.

Schnyer, D.M., Nicholls, L. & Verfaellie, M. (2004). Medial prefrontal cortex and its role in assessing the accessibility of episodic memories: An fMRI examination. Journal of Cognitive Neuroscience, Supplement, D114.

Giovanello, K., Schnyer, D.M. & Verfaellie, M. (2003). A Critical Role for the Hippocampus in Relational Memory: Evidence from a fMRI Study Comparing Associative and Item Recognition. *Neuroimage, 19(2)*, S26.

Schnyer, D.M., Verfaellie, M., LaFleche, G., Pannu, J.K., & Kaszniak, A.W. (2003). Localizing judgments of memory ability in the prefrontal cortex: Evidence from patients with frontal lesions. *Journal of the International Neuropsychological Society, 9(2)*, 313.

Schnyer, D.M., Giovanello, K.S., West, W.C., Halgren, E. & Verfaellie, M. (2001). An fMRI Examination of Semantic Priming in a Patient with Semantic Dementia. *Neuroimage, 13(6)* S737.

Schnyer, D.M., Ryan, L., Forster, K.I., & Trouard, T. (2000). An event-related fMRI examination of masked word priming: Are signal reductions related to conscious experience of the prime? *Neuroimage, 11(5)*, S445.

Schnyer, D.M., Ryan, L., Trouard, T. (2000). An event-related fMRI examination of format specific word priming. *Neuroimage, 11(5)*, S428.

Schnyer, D.M., Ryan, L., Trouard, T., & Moscovitch, M. (2000). Is right frontal activation related to retrieval mode or post-retrieval monitoring and evaluation? A new methodology using event related fMRI.. *Neuroimage, 11(5)*, S430.

Schnyer, D.M., Allen, J.J.B., Kaszniak, A.W., and Marsolek, C.J (1996). An Event Related Brain Potential Examination of Using Masked Visual Cues to Manipulate Early Attentional Processing In Elderly Subjects. *Psychophysiology, 33, Supplement 1*, S75.

Schnyer, D.M., and Allen, J.J. (1994). Long-term memory verses perceptual priming: Event-related brain potential evidence for two separate systems. *Psychophysiology, 31, Supplement 1*, S88.

Schnyer, D.M., and Allen, J.J. (1993). Attention-related electroencephalographic predictors of responsiveness to hypnotic suggestion. *Psychophysiology, 30, Supplement 1*, S58.

Reinke, K.S., Ryan, L., Fuglevand, A., Johnson, J., Trouard, T., Schnyer, D., & DeWeerd, P. (2000). Activation of motor areas during bimanual finger tapping: An fMRI study. *Neuroimage, 11(5)*, S396.

Ryan, L., Nadel, L., Keil, T., Putnam, K., Schnyer, D., Trouard, T., Moscovitch, M. (2000). Hippocampal activation during retrieval of remote memories. *Neuroimage, 11(5)*, S396.

Ryan, L., Trouard, T., & Schnyer, D.M. (1998). A functional magnetic resonance study of visual format-specific word priming. *Journal of Cognitive Neuroscience, Supplement*, S37.

Manuscripts submitted or in preparation:

Glass, B.D., Markman, A.B., Maddox, W.T., & Schnyer, DM. (submitted PB+R). The Effects of Sleep Deprivation on the Exploration-Exploitation Tradeoff.

Sathishkumar, M. & Schnyer, D.M. (Manuscript in preparation). Response learning across multiple visual exemplars.

D.M. Schnyer, I.G. Dobbins, L. Nicholls, D.L. Schacter and M. Verfaellie (Manuscript in preparation). Rapid decision learning alters the repetition-related N400 component in left frontal cortex: Evidence from MEG recordings during repetition priming.

Schnyer, D.M., Giovanello, K., & Verfaellie, M. (Manuscript in preparation). A structural equations modeling approach to examining item and associative retrieval networks.

PRESENTATIONS:

Invited Colloquia:

Schnyer, D.M. Priming - Been There, Done That! What New Can a 15000 Gauss Magnetic Field Tell Us? Presented as part of the *Cognitive Science Colloquium Series*, Tucson, Arizona, March, 2000.

Schnyer, D.M. Functional Brain Imaging Studies of Implicit Memory. Presented at the Brigham & Women's Behavioral Neuroscience Seminar Series, Boston, April, 2001.

Schnyer, D.M. Peering into the brain: A century of neuroimaging and its promise for the future. Presented as the annual Laird Cermak Memorial Lecture to the Massachusetts Neuropsychological Society, Boston, May, 2001.

Schnyer, D.M. Can I retrieve that memory or not? Frontal contributions to distinct metamemorial monitoring and evaluation processes. University of Massachusetts Amherst, Department of Psychology – Cognitive Brown Bag, July 2005.

Schnyer, D.M. Frontal contributions to learning and memory: From decision learning to decisions about learning. University of Texas, Austin – Dec. 2005.

Schnyer, D.M. Frontal contributions to learning and memory: From decision learning to decisions about learning. State University of New York, Stony Brook – Dec. 2005.

Schnyer, D.M. Decisions about learning - Frontal contributions to distinct metamemory processes. UCLA, Department of Psychology, Los Angeles – May 2006.

Schnyer, D.M. Knowing about Remembering: Frontal Contributions to Distinct Metamemory Processes. Ground Rounds, Neurology and Rehabilitation, St David's Hospital, Austin, Texas, July 2007.

Schnyer, D.M. Integrative decision making after total sleep deprivation: what happens when the brain can't adapt?. Psychology Grand Rounds, Boston VA Medical Center, Boston, MA. Dec. 2007.

Schnyer, D.M. Integrative decision making after total sleep deprivation: what happens when the brain can't adapt?. Neuroscience Seminar Series, Texas A&M, College Station, TX, Jan 2008.

Schnyer, D.M. Brain mechanisms associated with decision making and cognitive control, their vulnerability to sleep deprivation and their contribution to mental health. Wellesley College, Wellesley, MA. Nov 2008.

Conference Talks:

Schnyer, D.M., Allen, J.J., and Forster, K.I. Long-term memory verses perceptual priming: Event-related brain potential evidence for two separate systems. Presented in a paper session titled: Localizing cognitive functions in the brain at the annual convention of the *Society for Psychophysiology Research*, Atlanta, October, 1994.

Schnyer, D.M., Allen, J.J., and Forster, K.I. Event-related brain potentials as indicators of memory strength for words encoded with and those encoded without awareness. Presented as part of the *Cognitive Science Colloquium Series*, Tucson, Arizona, February, 1994.

Schnyer, D.M., Kaszniak, A.W., Allen, J.J.B., and Trujillo, L. Attentional changes in long-term meditators: A cognitive neuroscience perspective. Presented in a plenary session titled: Meditation and consciousness at *Toward a Science of Consciousness*, Tucson , April, 2000.

Schnyer, D.M., Verfaellie, M., LaFleche, G., Pannu, J.K., & Kaszniak, A.W. Localizing judgments of memory ability in the prefrontal cortex: Evidence from patients with frontal lesions. Presented at the symposium entitled - Awareness and anosognosia in normal and pathological aging. 31st Annual meeting of the International Neuropsychological Society, Honolulu, February, 2003.

Schnyer, D.M. Knowing about remembering: Frontal contributions to distinct metamemory processes. MGH-NMR/Martinos Center Brain Map Seminar, October 2003.

Schnyer, D.M. Knowing about remembering: Frontal contributions to distinct metamemory processes. Presented at the Brigham & Women's Behavioral Neuroscience Seminar Series, Boston, May, 2004.

Schnyer, D.M., Dobbins, I.G., Nicholls, L., Schacter, D., & Verfaellie, M. Rapid decision learning alters the repetition-related N400 component in left frontal cortex: Evidence from MEG recordings during repetition priming. Presented at the annual meeting of the Society for Neuroscience, Washington, D.C. 2005.

Schnyer, D.M. What is Priming? Symposium Session, Rik Henson chair at the Annual meeting of the Memory Disorders Research Society, Cambridge England, Sept 2007.

Schnyer, D.M. Decision Making Under Conditions of Sleep Deprivation: Cognitive and Neural Consequences. Sustaining Performance Under Stress Symposium, Austin, TX, Dec 2007.

Conference Posters – First or Senior author presentations and not published abstracts:

Schnyer, D.M., Allen, J.J., and Forster, K.I. Event-related brain potentials as indicators of memory strength for words encoded with and those encoded without awareness. Presented at the annual convention of the International Neuropsychological Society, Cincinnati, Ohio, February, 1994.

Schnyer, D.M., Allen, J.J., and Forster, K.I. An event-related brain potential examination of priming in words presented without awareness. Presented at the first annual convention of the Cognitive Neuroscience Society, San Francisco, March, 1994.

Schnyer, D.M., Allen, J.J., and Kaszniak, A.W. Using ERPs to examine masked and repetition priming in elderly subjects. Presented at the third annual meeting of the Cognitive Neuroscience Society, San Francisco, March, 1996.

Schnyer, D.M., Allen, J.J., and Kaszniak, A.W. Examining masked and repetition priming in elderly subjects using event-related brain potentials. Presented at the Robert S. Flinn Foundation Biomedical Research Enrichment Initiative Symposium, Scottsdale, Arizona, May 1996.

Schnyer, D.M., Allen, J.J.B., Kaszniak, A.W., Alexander, T.S., and Peterson, B.A. ERPs suggest a dissociation of implicit priming effects in Alzheimer's disease. Presented at the fourth annual meeting of the Cognitive Neuroscience Society, Boston, March, 1997.

Schnyer, D.M., Allen, J.J., and Kaszniak, A.W. An ERP Examination of Masked and Unmasked Repetition Priming in Alzheimer's Disease: Implications for Theories of Implicit Memory. Presented at the Robert S. Flinn Foundation Biomedical Research Enrichment Initiative Symposium, Tucson, Arizona, May 1997.

Schnyer, D.M., Allen, J.J., and Kaszniak, A.W. Using instantaneous frequency analysis to examine task related frequency changes in the EEG of patients with Alzheimer's disease during cognitive tasks. Presented at the 1998 meeting of the Arizona Chapter of the Society for Neuroscience, Phoenix, Arizona, January 1998.

Schnyer, D.M., A.W. Kaszniak, J.J.B. Allen, & Trujillo, L.T. (1999). Assessing Attentional Changes in Long-term Mindfulness Meditators Using a Cued Attention Task and Event-related Brain Potentials. Presented at the annual conference of the Association for the Scientific Study of Consciousness in London Ontario, June 1999.

Schnyer, D.M., Ryan, L.T., & Trouard, T.P. (1999). Using functional magnetic resonance imaging to examine word priming in the human brain. Presented at The Flinn Foundation and The Arizona Disease Control Research Commissions Symposium on Building Competitive Research Careers. Tucson, Arizona, Sept.1999.

Schnyer, D., Ryan, L., Trouard, T., & Moscovitch, M. (2000). Is Right Frontal Activation Related to Retrieval Mode or Post-retrieval Monitoring and Evaluation? A New Methodology Using Event Related fMRI. Presented at the annual meeting of the Organization for Human Brain Mapping, San Antonio, Texas.

Schnyer, D. Ryan, L., & Trouard, T. (2000). An Event-Related fMRI Examination of Format Specific Word Priming. Presented at the annual meeting of the Organization for Human Brain Mapping, San Antonio, Texas.

Schnyer, D.M., & Verfaellie, M. (2002). Repetition priming effects associated with short term spreading activation corresponds to increases in fMRI signal: Using fMRI to dissociate short and long term components in priming. Presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco.

Schnyer, D.M., Nicholls, L.D., Verfaellie, M., Schacter, D.L. & Dobbins, I.G. (2003). Inflexibility of visual object priming as a function of increasing exposures. Presented at the annual meeting of the Cognitive Neuroscience Society, New York, NY.

Schnyer, D.M., Dobbins, I.G., Nicholls, L.D., Schacter, D.L., & Verfaellie, M. (2004). Rapid response learning in amnesia: Delineating associative learning components in repetition priming. Presented at the annual meeting of the Society for Neuroscience, San

Diego.

Schnyer, D.M., Davis, S., Ell, Shawn, Maddox, W.T., & Verfaellie. (2006). Impaired category learning in patients with damage to prefrontal cortex. Presented at the annual meeting of the Cognitive Neuroscience Society, New York, NY.

Marsolek, C.J., Ketz, N.A., Ramanathan, P., Deason, R.G., Davis, S., Verfaellie, M., Schnyer, D.M. (2007). Neural priming effects in fMRI: Integrated fMRI and neurocomputational evidence for what may be reflected. Presented at the annual meeting of the Organization for Human Brain Mapping. Chicago, Il, June 2007.

EDITORIAL ACTIVITIES:

Review Editor – Frontiers in Neuroscience

Journal Ad Hoc Reviewer – NeuroImage, Psychophysiology, Biological Psychology, Human Brain Mapping, Current Biology, Cerebral Cortex, Journal of Cognitive Neuroscience, Brain and Cognition, Neuropsychologia, Brain Research, Journal of Neurophysiology, Perception and Psychophysics, Memory, Journal of Experimental Psychology: Learning, Memory and Cognition, Cognitive Science, Trends in Cognitive Science, Psychonomic Review Bulletin, Neuroscience, Journal of Neuroscience, Hippocampus, Strategic Management.

Grant Reviewer, VA Merit Review, BU Alzheimer's Disease Research Center Pilot Grant Program

TEACHING EXPERIENCE:

University of Texas at Austin
Doctoral Students Supervised

Jenni Pacheco, Fall 2007 to present

Instructor:

Undergraduate Courses –

Psychology 341K – Introduction to Brain Imaging in Psychology, Undergraduate writing component course focused on a survey of brain imaging methods used in Psychology (F2006, F2007, F2008, F2009)

Graduate Courses –

Psychology 394U – Analysis of Functional MRI – Lecture and Lab course

focused on introducing students to the design, analysis and interpretation of fMRI studies. (S2007, S2008, S2009)

Psychology 394U – Cognition and Perception Seminar – Current topics in Cognition and Perception. (F2007)

Neuroscience 383T - Principles II – Current topics in Neuroscience (S2009)

Special Seminar Series -

Matlab summer camp (SU2008) – One week course introducing students to the use of Matlab in scientific computing.

Invited Lectures:

Cognitive Science 380 – Guest lecture (F2006, 07)
Psychology 394U - Fundamentals of MRI – Lectures on fMRI design and analysis (SP2007,F07)
Psychology 394U - Fundamentals of MRI – Lecture on Introduction to EEG and MEG (SP2007,SP2008)
Neuroscience 383T - Principles of Neuroscience II – Introduction to Cognitive Neuroscience lectures (SP2007)
Neuroscience 385L – Foundations of Neuroimaging – 2 lectures on Human EEG and source localization methods (S2008)
Introduction to Cognitive Science – Introduction to Cognitive Neuroscience (S2008)

Boston University, Boston, MA

Instructor:

Graduate Course Invited Lectures –

Functional Neuroanatomy in Neuropsychology. Functional Brain Imaging section (2004)

Individual Instruction:

Neuroimaging analysis training for over one dozen students and research assistants.

University of Arizona, Tucson, AZ

Instructor

Graduate Courses –

Introduction to fMRI experimental design and analysis: Seminar Series for the Cognition and Neuoimaging Laboratories

Advanced topics in functional imaging

Practicum Supervisor – Neuropsychology practicum, Memory Disorders

Undergraduate Courses -

Instructor for undergraduate course in Abnormal Psychology (1997)
Lecturer – Human Memory, Consciousness, and Brain & Behavior

Graduate teaching assistantships

1992-96 Teaching Assistant - Statistics, Abnormal Psychology, Psychophysiology Lab, Psychology of Consciousness

Santiago Chile

1988-89 Conversational English at the Insituto International

MENTORING:

Fellowship Sponser

NRSA – Co-PI - F31 AA017022-01A1 (Awarded July 2008). Reagan Wetherhill, The etiology of fragmentary blackouts: Memory processes and neural activations.

Dissertation Committee Member

Rajani Sebastian (Communication Studies, UT)
S.C. Huang (School of Information, UT)
Micah Goldberg (Psychology, UT)
Reagan Wetherhill (Psychology, UT)
Frank Puga, (Psychology, UT)
Lisa Grimm, (Psychology, UT) - 2007

Qualifying Exams

Beth Bell (Institute for Neuroscience, UT)
Christel Bastida (Institute for Neuroscience, UT)
S.C. Huang (School of Information, UT)

Masters Committee Member

Marianna Eddy, Tufts

Undergraduate Honors Mentor

UTexas - Natalie Dailey, Emily Emerich, Caitlin Tenison

Undergraduate Research Supervisor

UTexas - Joesph Carlin, Katie Chen, Natalie Dailey, Victoria Williams, Caitlin Tenison, Emily Emerich

SERVICE:

University of Texas, Austin

2006-present	Institute for Neuroscience – Task force to develop an undergraduate major in Neuroscience, member
2007-present	Graduate Specialization in NeuroImaging Education coordinator
2007-present	Member of Institutional Review Board for Human Subjects Research
2006-07	Member of the faculty search committee for associate professor hire in BioMedical Engineering to be one of the core faculty associated with the IRC
2009	Department Chair assessment committee
2008-09	Member IRC Director Search Committee – search for internationally prominent Director for the imaging research center
2009	Chris Beevers Tenure committee member, research profile

CLINICAL EXPERIENCE:

2000-05	Monthly patient rounds. Memory Disorders Research Center.
1997-98	Clinical Intern, APA clinical internship with specialization in Neuropsychology University Medical Center, Tucson, AZ
1994-97	Neuropsychological Assessment as part of the assessment team for the Memory Disorders Clinic at the University Medical Center, Tucson Arizona
1994-95	Psychotherapist, Marana Health Center: therapy with adults, children, and families, adult SMI case management
1993-94	Psychotherapist, University of Arizona Psychology Clinic: Cognitive- Behavioral Therapy with young adults and couples
1992-93	Volunteer Intake Counselor, Southern Arizona Mental Health Center, Crisis intake and evaluation

REFERENCES:

Mieke Verfaellie, Ph.D., verf@bu.edu
Director, Memory Disorders Research Center

Daniel L. Schacter, dls@wjh.harvard.edu
William R. Kenan, Jr. Professor of Psychology
Department of Psychology
Harvard University
33 Kirkland St.
William James Hall
Cambridge, MA 02138

Russell A. Poldrack, Ph.d.
Associate Professor
Wendell Jeffrey and Bernice Wenzel Term Chair in Behavioral Neuroscience
UCLA Department of Psychology
Franz Hall, Box 951563
Los Angeles, CA 90095-1563

phone: 310-794-1224
fax: 310-206-5895
email: poldrack@ucla.edu

Dr. Morris Moscovitch, momos@psych.utoronto.ca
Max and Gianna Glassman Chair in Neuropsychology and Aging
Professor, Department of Psychology
University of Toronto
100 St. George Street
Toronto, ON M5S 3G3
Tel: (416) 978-7815