

January 22, 2012

Tim Curran
Curriculum Vita

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Professional Experience

<i>2009</i>	<u>Professor</u>
<i>-present</i>	Department of Psychology and Neuroscience University of Colorado
<i>2003</i>	<u>Associate Professor</u>
<i>-2009</i>	Department of Psychology University of Colorado
<i>2000</i>	<u>Assistant Professor</u>
<i>-2003</i>	Department of Psychology University of Colorado
<i>1995</i>	<u>Assistant Professor</u>
<i>-2000</i>	Department of Psychology Case Western Reserve University
<i>1993</i>	<u>Postdoctoral Research Fellow</u>
<i>-1995</i>	Department of Psychology Harvard University Supervisor: Daniel L. Schacter, Ph.D.

Extramural Grants and Contracts Awarded

RO1, National Institute of Mental Health, June 2007 to May 2012
“ERP studies of dual processes in human recognition memory”
\$1,107,177 total direct costs
Principal Investigator

RO1, National Institute of Mental Health, Jan. 2002 to May 2007
“ERP studies of dual processes in human recognition memory”
\$950,000 total direct costs
Principal Investigator

United States Army Research Institute (ARI) for the Behavioral and Social Sciences
August 2011 – June 2015
“Exploring the use of visual features and recognition strategies in perceptual expertise”

\$1,922,652.00 total direct costs (\$390,744 for my part)

Co-Investigator

Collaborative Activity Bridging Mind, Brain, & Behavior, James McDonnell Foundation,
Jan. 2001 - Dec. 2008

"Perceptual Expertise Network "

\$3,500,000 (\$450,000 for my part)

PI: Isabel Gauthier, Vanderbilt University

1 of 8 Co-investigators

P50, NIMH Interdisciplinary Behavioral Science Center, April 2008 to March 2013

"Determinants of Executive Function and Dysfunction"

\$5,983,931 total direct costs (\$150,000 for my part)

PI: Marie Banich

Co-Investigator

RO1, National Institutes of Health (NIBIB), May 2009 to April 2013

"Neural Electromagnetic Ontologies (NEMO):

ERP Knowledge Representation & Integration"

\$500,000 total direct costs (~120,000 for my part)

PI: Dejing Dou

1 of 7 Co-investigators

Science of Learning Center, National Science Foundation, Sept. 2006 to Aug. 2016

"The Temporal Dynamics of Learning Center (TDLC)"

\$15,638,238 total direct costs (~\$300,000 for my part)

PI: Garrison Cottrell

1 of many Senior Personnel

Science Applications International Corporation, June 2007 to January 2008

"MTMI Face Project"

\$22,461 direct costs

Principle Investigator

DARPA & NGA (National Geospatial-Intelligence Agency), Oct. 2005 to Jan. 2007

"Image Prioritization Based on Expert Neural Response to Change"

\$115,069 direct costs

Co-Principal Investigator (with Gibson, SAIC)

NIH High End Instrumentation Program

July 2002 - June 2003

"Whole-head MEG System for Brain Research"

\$2,000,000 for purchase of MEG Instrument

PI: Martin Reite (University of Colorado Health Sciences Campus)

1 of 19 Co-investigators, Advisory Board Member

McDonnell-Pew Foundation, Dec. 1997 - Dec. 2001

" ERP Studies of Recollection and Familiarity "

\$104,758

Principal Investigator

AFAR Research Grant, American Federation for Aging Research, July 1997 - June 1999

"Event-Related Potentials of Sensory Underload "

\$36,927

Principal Investigator

Intramural Grants Awarded

- W.P. Jones Presidential Faculty Development Award, Summer, 1999
Case Western Reserve University College of Arts & Sciences
"ICON Conference Presentation, Budapest"
\$1518
- Pilot Grant, Case Western Reserve University Alzheimer Disease Research Center
June 1996 - May 1999
"Brain Electrical Studies of Attention In Alzheimer Disease"
\$11,380
- Research Initiation Grant, Case Western Reserve University, Jan. 1996 - Dec. 1997
"ERP Studies of Implicit and Explicit Memory"
\$5000
- W.P. Jones Presidential Faculty Development Award, Spring 1996
Case Western Reserve University College of Arts & Sciences
"ERP Studies of Implicit and Explicit Memory"
\$1600

Peer-Reviewed Publications (88 total, some available at <http://psych.colorado.edu/~tcurran/papers.html>)

- Nyhus, E., & Curran, T. (in press). Midazolam induced amnesia reduces memory for details and affects the ERP correlates of recollection and familiarity. *Journal of Cognitive Neuroscience*.
- Cordes, D., Jin, M., Curran, T., & Nandy, R. (in press). Optimizing the Performance of Local Canonical Correlation Analysis in fMRI using Spatial Constraints. *Human Brain Mapping*.
- Jin, M., Pelak, V., Curran, T., Nandy, R., & Cordes, D. (in press). A preliminary study of functional abnormalities in aMCI subjects during different episodic memory tasks. *Magnetic Resonance Imaging*.
- Jin, M., Nandy, R., Curran, T., & Cordes, D. (in press). Extending Local Canonical Correlation Analysis to Handle General Linear Contrasts for fMRI Data. *International Journal of Biomedical Imaging*.
- Frishkoff, G., Sydes, J., Mueller, K., Frank, R., Curran, T., Connolly, J., Kilborn, K., Molfese, D., Perfetti, C., Malony, A. (in press). Minimal Information for Neural Electromagnetic Ontologies (MINEMO): A standards-compliant method for analysis and integration of event-related potentials (ERP) data. *Standards in Genomic Sciences*.
- Chatham, C. H., Claus, E. D., Kim, A., Curran, T., Banich M. T., Munakata, Y. (in press) Cognitive control reflects context monitoring, not motoric stopping, in response inhibition. *PLoS ONE*.
- Pierce, L. J., Scott, L., Boddington, S., Droucker, D., Curran, T., & Tanaka, J. (2011). The N250 brain potential to personally familiar and newly learned faces and objects. *Frontiers in Human Neuroscience*, *5*, 1-13.
- Herzmann, G., Willenbockel, V., Tanaka, J. W., & Curran, T. (2011). The neural correlates of memory encoding and recognition of own-race and other-race faces. *Neuropsychologia*, *49*, 3103-3115. PMID 21807008
- Herzmann, G. & Curran, T. (2011). Experts' memory: An ERP study of perceptual expertise effects on encoding and recognition. *Memory & Cognition*, *39*, 412-432. PMID 21264603
- Curran, T., & Doyle, J. (2011). Picture superiority doubly dissociates the ERP correlates of recollection and familiarity. *Journal of Cognitive Neuroscience*, *23*, 1247-1262. PMID 20350169
- Rass, O., Landau, J.D., Curran, T., Leynes, P.A. (2010). Event-related potential (ERP) correlates of memory blocking and priming during a word fragment test. *International Journal of Psychophysiology*, *78*, 136-150. PMID 20620176
- Snyder, H. R., Hutchinson, N., Nyhus, E., Curran, T., Banich, M. T., O'Reilly, R. C. & Munakata, Y. (2010). Neural inhibition enables selection during language processing. *Proceedings of the National Academy of Sciences*. *107*, 16483-16488. PMID: PMC2944747.

- Nyhus, E., & Curran, T. (2010). Functional role of gamma and theta oscillations in episodic memory. *Neuroscience & Biobehavioral Reviews*, *34*, 1023-1035. PMID2856712
- Rossion, B., & Curran, T. (2010). Visual expertise with pictures of cars correlates with RT magnitude of the car inversion effect. *Perception*, *39*, 173-183. PMID20402240
- Lai, V. T., Curran, T., & Menn, L. (2009). Comprehending conventional and novel metaphors: An ERP study. *Brain Research*, *1284*, 145-155. PMID19505446
- Nyhus, E., & Curran, T. (2009). Semantic and perceptual effects on recognition memory: evidence from ERP. *Brain Research*, *1283*, 102-114. PMID19505439
- Curran, T., Gibson, L., Horne, J. H., Young, B., & Bozell, A. P. (2009). Expert image analysts show enhanced visual processing in change detection. *Psychonomic Bulletin & Review*, *16*, 390-397. PMID19293112
- Huber, D. E., Clark, T. F., Curran, T., & Winkielman, P. (2008). Effects of repetition priming on recognition memory: Testing a perceptual fluency-disfluency model. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *34*, 1305-1324. PMID18980396
- Huber, D. E., Xing, T., Curran, T., O'Reilly, R. C., & Woroch, B. (2008). The dynamics of integration and separation: ERP, MEG, and neural network studies of immediate repetition effects. *Journal of Experimental Psychology: Human Perception and Performance*, *34*, 1389-1416. PMID19045982
- D'Lauro, C., Tanaka, J. W., & Curran, T. (2008). The preferred level of face categorization depends on discriminability. *Psychonomic Bulletin & Review*, *15*, 623-629. PMID18567265
- Bayley, P. J., O'Reilly, R. C., Curran, T., & Squire, L. R. (2008). New semantic learning in patients with large medial temporal lobe lesions. *Hippocampus*, *18*, 575-583. PMID18306299
- Scott, L. S., Tanaka, J. W., Sheinberg, D. L., & Curran, T. (2008). The role of category learning in the acquisition and retention of perceptual expertise: A behavioral and neurophysiological study. *Brain Research*, *1210*, 204-215. PMID18417106
- Norman, K. A., Tepe, K. L., Nyhus, E., & Curran, T. (2008). Event-related potential correlates of interference effects on recognition memory. *Psychonomic Bulletin & Review*, *15*, 36-43. PMID18605477
- Frank, M. J., D'Lauro, C., & Curran, T. (2007). Cross-task individual differences in error processing: Neural, electrophysiological and genetic components. *Cognitive, Affective, & Behavioral Neuroscience*, *7*, 297-308. PMID18189003
- Frank, M. J., Moustafa, A. A., Haughey, H. M., Curran, T., & Hutchison, K. E. (2007). Genetic triple dissociation reveals multiple roles for dopamine in negative reinforcement learning. *Proceedings of the National Academy of Sciences*, *104*, 16311-16316. PMID17913879
- Speer, N. K., & Curran, T. (2007). ERP correlates of familiarity and recollection processes in visual associative recognition. *Brain Research*, *1174*, 97-109. PMID17825273
- Curran, T., Debus, C., & Leynes, P. A. (2007). Conflict and criterion setting in recognition memory. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, *33*, 2-17. PMID17201551
- Curran, T., & Hancock, J. (2007). The FN400 indexes familiarity-based recognition of faces. *NeuroImage*, *36*, 464-471. PMID17258471
- Depue, B. E., Curran, T., & Banich, M. T. (2007). Prefrontal regions orchestrate suppression of emotional memories via a two-phase process. *Science*, *317*, 215-219. PMID17626877
- Rossion, B., Collins, D., Goffaux, V., & Curran, T. (2007). Long-term visual expertise with artificial objects increases visual competition with early face categorization processes. *Journal of Cognitive Neuroscience*, *19*, 543-555. PMID17335400
- Rugg, M. D., & Curran, T. (2007). Event-related potentials and recognition memory. *Trends in Cognitive Sciences*, *11*, 251-257. PMID17481940
- Curran, T., DeBuse, C., Woroch, B., & Hirshman, E. (2006). Combined pharmacological and electrophysiological dissociation of familiarity and recollection. *Journal of Neuroscience*, *26*, 1979-1985. PMID16481430
- Depue, B. E., Banich, M. T., & Curran, T. (2006). Suppression of emotional and nonemotional content in memory: effects of repetition on cognitive control. *Psychological Science*, *17*, 441-447. PMID16683933

- Frank, M. J., O'Reilly, R. C., & Curran, T. (2006). When memory fails, intuition reigns: midazolam enhances implicit inference in humans. *Psychological Science*, *17*, 700-707. PMID16913953
- Jacobs, J., Hwang, G., Curran, T., & Kahana, M. J. (2006). EEG oscillations and recognition memory: Theta correlates of memory retrieval and decision making. *NeuroImage*, *32*, 978-987. PMID16843012
- Scott, L. S., Tanaka, J. W., Sheinberg, D. L., & Curran, T. (2006). A reevaluation of the electrophysiological correlates of expert object processing. *Journal of Cognitive Neuroscience*, *18*, 1453-1465. PMID16989547
- Tanaka, J. W., Curran, T., Porterfield, A. L., & Collins, D. (2006). Acquisition of pre-existing and acquired face representations: The N250 event-related potential as an index of face familiarity. *Journal of Cognitive Neuroscience*, *18*, 1488-1497. PMID16989550
- Wong, A. C., Gauthier, I., Woroch, B., DeBuse, C., & Curran, T. (2005). An early electrophysiological response associated with expertise in letter perception. *Cognitive, Affective, & Behavioral Neuroscience*, *5*, 306-318. PMID16396092
- Frank, M. J., Woroch, B., & Curran, T. (2005). Error-related negativity predicts reinforcement learning and conflict biases. *Neuron*, *47*, 495-501. PMID16102533
- Gonsalves, B. D., Kahn, I., Curran, T., Norman, K. A., & Wagner, A. D. (2005). Memory strength and repetition suppression: Multimodal imaging of medial temporal cortical contributions to recognition. *Neuron*, *47*, 751-761. PMID16129403
- Tanaka, J. W., Curran, T., & Sheinberg, D. (2005). The training and transfer of real-world, perceptual expertise. *Psychological Science*, *16*, 145-151. PMID15686581
- Curran, T. (2004). Effects of attention and confidence on the hypothesized ERP correlates of recollection and familiarity. *Neuropsychologia*, *42*, 1088-1106. PMID15093148
- Curran, T., & Friedman, W. J. (2004). ERP old/new effects at different retention intervals in recency discrimination tasks. *Cognitive Brain Research*, *8*, 107-120. PMID14736570
- Curran, T., & Cleary, A. M. (2003). Using ERPs to dissociate recollection from familiarity in picture recognition. *Cognitive Brain Research*, *15*, 191-205. PMID12429370
- Curran, T., & Dien, J. (2003). Differentiating amodal familiarity from modality-specific memory processes: An ERP study. *Psychophysiology*, *40*, 979-988. PMID14986851
- Curran, T. & Friedman, W. J. (2003) Differentiating location- and distance-based processes in memory for time: An ERP study. *Psychonomic Bulletin & Review*, *10*, 711-717. PMID14620368
- Gauthier, I., Curran, T., Curby, K. M., & Collins, D. (2003). Perceptual interference supports a non-modular account of face processing. *Nature Neuroscience*, *6*, 428-432. PMID12627167
- Goldmann, R. E., Sullivan, A. L., Droller, D. B. J., Rugg, M. D., Curran, T., Holcomb, P. J., Schacter, D. L., Daffner, K. R., Budson, A. E. (2003). Late frontal brain potentials distinguish true and false recognition. *NeuroReport*, *14*, 1717-1720. PMID14512844
- Waber, D. P., Marcus, D. J., Forbes, P. W., Bellinger, D. C., Weiler, M. D., Sorensen, L. G., & Curran, T. (2003). Motor sequence learning and reading ability: Is poor reading associated with sequencing deficits? *Journal of Experimental Child Psychology*, *84*, 338-354. PMID12711531
- Curran, T., Tanaka, J. W., & Weiskopf, D. M. (2002). An electrophysiological comparison of visual categorization and recognition memory. *Cognitive, Affective, & Behavioral Neuroscience*, *2*, 1-18. PMID12452581
- Deckersbach, T., Savage, C. R., Curran, T., Bohne, A., Wilhelm, S., Baer, L., Jenike, M. A., & Rauch, S. L. (2002). A study of parallel implicit and explicit information processing in patients with obsessive-compulsive disorder. *American Journal of Psychiatry*, *159*, 1780-1782. PMID12359688
- Cleary, A. M., Curran, T., & Greene, R. L. (2001). Memory for detail in item and associative recognition. *Memory & Cognition*, *29*, 413-423. PMID11407418
- Curran, T., Hills, A., Patterson, M. B., & Strauss, M. E. (2001). Effects of aging on visuospatial attention: An ERP study. *Neuropsychologia*, *39*, 288-301. PMID11163607

- Curran, T., Schacter, D. L., Johnson, M. K., & Spinks, R. (2001). Brain potentials reflect behavioral differences in true and false recognition. *Journal of Cognitive Neuroscience*, *13*, 201-216. PMID11244546
- Tanaka, J. W., & Curran, T. (2001) A neural basis for expert object recognition. *Psychological Science*, *12*, 43-47. PMID11294227
- Curran, T. (2000). Brain potentials of recollection and familiarity. *Memory & Cognition*, *28*, 923-938. PMID11105518
- Heckers, S., Curran, T., Goff, D., Rauch, S. L., Fischman, A. J., Alpert, N. M., & Schacter, D. L. (2000). Abnormalities in the thalamus and prefrontal cortex during episodic object recognition in schizophrenia. *Biological Psychiatry*, *48*(7), 651-657. PMID11032976
- Schacter, D. L., Curran, T., Reiman, E. M., Chen, K., Bandy, D. J., & Frost, J. T. (1999) Medial temporal lobe activation during episodic encoding and retrieval: A PET study. *Hippocampus*, *9*, 575-581. PMID10560928
- Curran, T. (1999). The electrophysiology of incidental and intentional retrieval: ERP old/new effects in lexical decision and recognition memory. *Neuropsychologia*, *37*, 771-785. PMID10408645
- Curran, T., Schacter, D. L., & Galluccio, L. (1999). Cross-modal priming and explicit memory in patients with verbal production deficits. *Brain and Cognition*, *39*, 133-146. PMID10079121
- Rauch, S. L., Whalen, P. J., Curran, T., McInerney, S., Heckers, S., & Savage, C. R. (1998). Thalamic deactivation during early implicit sequence learning: a functional MRI study. *Neuroreport*, *9*, 0865-0870. PMID9579681
- Curran, T. (1997). Higher-order associative learning in amnesia: Evidence from the serial reaction time task. *Journal of Cognitive Neuroscience*, *9*, 522-533.
- Curran, T. (1997). Effects of aging on implicit sequence learning: Accounting for sequence structure and explicit knowledge. *Psychological Research/Psychologische Forschung*, *60*, 24-41. PMID9225617
- Curran, T., & Hintzman, D. L. (1997). Consequences and causes of correlations in process dissociation. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *23*, 496-504.
- Curran, T., Schacter, D. L., Norman, K. A., & Galluccio, L. (1997). False recognition after a right frontal lobe infarction: Memory for general and specific information. *Neuropsychologia*, *35*, 1035-1049. PMID9226663
- Curran, T., & Schacter, D. L. (1997). Implicit Memory: What must theories of amnesia explain? *Memory*, *5*, 37-47. PMID9156090
- Hintzman, D. L., & Curran, T. (1997). Comparing retrieval dynamics in recognition memory and lexical decision. *Journal of Experimental Psychology: General*, *126*, 228-247.
- Hintzman, D. L., & Curran, T. (1997). More than one way to violate independence: Reply to Jacoby and ShROUT. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *23*, 511-513.
- Johnson, M. K., Nolde, S. F., Mather, M., Kounios, J., Schacter, D. L., & Curran, T. (1997). The similarity of brain activity associated with true and false recognition memory depends on test format. *Psychological Science*, *8*, 250-257.
- Rauch, S. L., Savage, C. R., Alpert, N. M., Dougherty, D., Kendrick, A., Curran, T., Brown, H. D., Manzo, P., Fischman, A. J., & Jenike, M. A. (1997). Probing striatal function in obsessive compulsive disorder: A PET study of implicit sequence learning. *Journal of Neuropsychiatry and Clinical Neurosciences*, *9*, 568-573. PMID9447498
- Rauch, S. L., Whalen, P. J., Savage, C. R., Curran, T., Kendrick, A., Brown, H. D., Bush, G., Breiter, H. C., & Rosen, B. R. (1997). Striatal recruitment during an implicit sequence learning task as measured by functional magnetic resonance imaging. *Human Brain Mapping*, *5*, 124-132. PMID10096417

- Schacter, D. L., Uecker, A., Yun, L. S., Bandy, D., Chen, K., Cooper, L. A., & Curran, T. (1997). Effects of size and orientation change on hippocampal activation during episodic recognition: A PET study. Neuroreport, *8*, 3993-3998. PMID9462480
- Curran, T., Schacter, D. L., & Bessenoff, G. (1996). Visual specificity effects on word stem completion: Beyond transfer appropriate processing? Canadian Journal of Experimental Psychology, *50*, 22-33. PMID8653095
- Schacter, D. L., Curran, T., Galluccio, L., Milberg, W., & Bates, J. (1996). False recognition and the right frontal lobe: A case study. Neuropsychologia, *34*, 793-808. PMID8817509
- Schacter, D.L., Reiman, E., Curran, T., Yun, L.S., Bandy, D., McDermott, K., & Roediger, H.L. III (1996). Neuroanatomical correlates of veridical and illusory recognition memory: Evidence from Positron emission tomography. Neuron, *17*, 267-274. PMID8780650
- Curran, T. (1995) On the neural mechanisms of sequence learning. Psyche, *2*(12).
URL:<http://psyche.cs.monash.edu.au/volume2-1/psyche-95-2-12-sequence-1-curran.html>
- Curran, T., & Hintzman, D. L. (1995). Violations of the independence assumption in process dissociation. Journal of Experimental Psychology: Learning, Memory, and Cognition. *21*, 531-547. PMID7602260
- Hintzman, D. L. and T. Curran (1995). When encoding fails: Instructions, feedback, and registration without learning. Memory & Cognition, *23*: 213-226. PMID7731366
- Hintzman, D. L., Curran, T., & Caulton, D. A. (1995). Scaling the episodic familiarities of pictures and words. Psychological Science, *6*, 308-313.
- Rauch, S. L., Savage, C. R., Brown, H. D., Curran, T., Alpert, N. M., Kendrick, A., Fischman, A. J., & Kosslyn, S. M. (1995). A PET investigation of implicit and explicit sequence learning. Human Brain Mapping, *3*, 271-286.
- Carr, T. H., & Curran, T. (1994). Cognitive factors in learning about structured sequences: Applications to syntax. Studies in second language acquisition, *16*, 205-230.
- Chapman, L. J., Chapman, J. P., Curran, T., & Miller, M. B. (1994). Do children and the elderly show heightened semantic priming? How to answer the question. Developmental Review, *14*, 159-185.
- Hintzman, D. L., Caulton, D. A., & Curran, T. (1994). Retrieval constraints and the mirror effect. Journal of Experimental Psychology: Learning, Memory, and Cognition, *20*, 275-289.
- Hintzman, D. L., & Curran, T. (1994). Retrieval dynamics of recognition and frequency judgments: Evidence for separate processes of familiarity and recall. Journal of Memory and Language, *33*, 1-18.
- Cohen, A., & Curran, T. (1993). On tasks, knowledge, correlations, and dissociations: Comment on Perruchet and Amorim. Journal of Experimental Psychology: Learning, Memory, and Cognition, *19*, 1431-1437.
- Curran, T., & Keele, S. W. (1993). Attentional and nonattentional forms of sequence learning. Journal of Experimental Psychology: Learning, Memory, and Cognition, *19*, 189-202.
- Curran, T., Tucker, D. M., Kutas, M., & Posner, M. I. (1993). Topography of the N400: Brain electrical activity reflecting semantic expectation. Electroencephalography and Clinical Neurophysiology, *88*, 188-209.
- Hintzman, D. L., Curran, T., & Oppy, B. (1992). Effects of similarity and repetition on memory: Registration without learning? Journal of Experimental Psychology: Learning, Memory, and Cognition, *18*, 667-680. PMID1385608

Book Chapters and Other Non-peer-reviewed Publications (17 total)

- Scott, L.S., Tanaka, J.W., & Curran, T. (2008). Degrees of perceptual expertise. Chapter to appear in D. Bub, M.J. Tarr, & I. Gauthier (Eds.) *Perceptual Expertise: Bridging Brain and Behavior*, Oxford University Press.
- Frank, M. J., O'Reilly, R. C., & Curran, T. (2008). Midazolam, hippocampal function, and transitive inference: Reply to Greene. Behavioral and Brain Functions, *4*:5. PMID18234111

- Depue, B. E., Curran, T., & Banich, M. T. (2007). Response to "Memory suppression in PTSD treatment". *Science*, *318*, 1722-1723. (This was officially peer reviewed, but does not seem right to list this letter as a peer-reviewed *Science* publication.)
- Donaldson, D. I., & Curran, T. (2007). Letter to the editor. *NeuroImage*, *36*, 488-489.
- Curran, T., Tepe, K. L., & Piatt, C. (2006). ERP explorations of dual processes in recognition memory. In H. D. Zimmer, A. Mecklinger & U. Lindenberger (Eds.), *Binding in Human Memory: A Neurocognitive Approach* (pp. 467-492). Oxford: Oxford University Press.
- Rossion, B., Curran, T., & Gauthier, I. (2002). A defense of the subordinate-level expertise account for the N170 component. *Cognition*, *85*, 189-196. PMID12127699
- Curran, T. (2001). Implicit learning revealed by the method of opposition. *Trends in Cognitive Sciences*, *5*, 503-504. PMID11728895
- Curran, T., & Schacter, D. L. (2001). Implicit learning and memory: Psychological and neural aspects. In N. J. Smelser & P. B. Baltes (Eds.), *International Encyclopedia of the Social & Behavioral Sciences* (pp. 7237-7241). Oxford: Pergamon.
- Curran, T., Smith, M. D., DiFranco, J. M., & Daggy, A. T. (2001). Structural influences on implicit and explicit sequence learning. In D. L. Medin (Ed.), *The psychology of learning and motivation* (Vol. 40, pp. 147-182). San Diego: Academic Press.
- Whalen, P. J., Curran, T., & Rauch, S. L. (2001). Using neuroimaging to study implicit information processing. In D. D. Dougherty & S. L. Rauch (Eds.), *Psychiatric neuroimaging research: Contemporary strategies* (pp. 73-100). Washington, D.C.: American Psychiatric Press, Inc.
- Rauch, S. L., Whalen, P. J., Curran, T., Shin, L. M., Coffey, B. J., Savage, C. R., McInerney, S. C., Baer, L., & Jenike, M. A. (2000) Probing striato-thalamic function in OCD and TS using neuroimaging methods. In D. J. Cohen, J. Jankovic, & C. G. Goetz (Eds), *Tourette Syndrome*. Philadelphia: Lippincott, Williams & Wilkins. *Advances in Neurology*, *85*, 207-224. PMID11530429
- Schacter, D. L., Curran, T. (2000) Memory without remembering and remembering without memory: Implicit and false memories. In M. Gazzaniga (Ed.) *The New Cognitive Neurosciences*, (pp. 829-840). Cambridge: MIT Press.
- Curran, T. (1997). Implicit sequence learning from a cognitive neuroscience perspective: What, how, and where? In M. A. Stadler & P. A. Frensch (Eds.), *Handbook of implicit learning*, (pp. 365-400). Thousand Oaks, CA: Sage Publications.
- Curran, T., & Schacter, D. L. (1997). Amnesia: Cognitive neuropsychological aspects. In T. E. Feinberg & M. J. Farah (Eds.), *Behavioral neurology and neuropsychology*, (pp. 463-472). New York: McGraw-Hill.
- Curran, T., & Schacter, D. L. (1996). Implicit memory and perceptual brain mechanisms. In D. Herrmann, C. McEvoy, C. Hertzog, P. Hertel, & M. Johnson (Eds.), *Basic and applied memory research: Theory in context*, (Vol. 1, pp. 221-240). Hillsdale: Erlbaum.
- Schacter, D.L. & Curran, T. (1995). The cognitive neuroscience of false memories. *Psychiatric Annals*, *25*, 726-730.
- Keele, S. W., & Curran, T. (1995). Modularity of sequence learning systems in humans. In E. Covey (Ed.), *Neural representation of temporal patterns*, (pp. 197-225). New York: Plenum.

Presentations at Conferences and Meetings

- Herzmann, G., Jin, M., Cordes, D., Curran, T. (2011). The role of the parietal cortex in picture orientation recollection: A within-subject investigation with ERPs and fMRI. Cognitive Neuroscience Society annual meeting, San Francisco.
- Jin, M., Pelak, V., Curran, T., Nandy, R., & Cordes, D. (2011). *Memory activation changes of aMCI subjects in subregions of the medial temporal lobe*. Human Brain Mapping Conference.
- Jin, M., Pelak, V., Curran, T., Nandy, R., & Cordes, R. (2011). *Abnormal resting-state activity in default mode network of aMCI subjects*. Human Brain Mapping Conference.

- Cordes, D., Jin, M., Curran, T., Pelak, V., & Nandy, R. (2011). *Differentiation of aMCI subjects and normal controls using multivariate analysis of fMRI data*. Human Brain Mapping Conference.
- Cordes, D., Curran, T., Jin, M., & Nandy, R. (2011). *Optimization of contrast power using probabilistic behavioral information*. Human Brain Mapping Conference.
- Cordes, D., Jin, M., Curran, T., & Nandy, R. (2011). *Artifacts and spatial dominance constraints using canonical correlation analysis in functional MRI*. Human Brain Mapping Conference.
- Cordes, D., Jin, M., Curran, T., & Nandy, R. (2011). *The bleeding artifact of spatially constrained canonical correlation analysis in functional MRI*. Proceedings of the International Society for Magnetic Resonance in Medicine (ISMRM).
- Jin, M., Pelak, V., Curran, T., Nandy, R., & Cordes, D. (2011). *Altered medial temporal lobe activations in aMCI subjects during encoding and recognition tasks*. Proceedings of the International Society for Magnetic Resonance in Medicine (ISMRM).
- Cordes, D., Jin, M., Curran, T., Pelak, V., & Nandy, R. (2011). *Discriminant analysis and prediction of a MCI subjects and normal controls using encoding and recognition fMRI tasks*. Proceedings of the International Society for Magnetic Resonance in Medicine (ISMRM).
- Vettel, J.M., Lau, T., Bird, C., McDowell, K., Tarr, M.J., Curran, T. (2011, November). *Network dynamics of multisensory integration of real-world environmental events*. Talk to be given at the Annual Society for Neuroscience Conference, Washington, DC.
- Mollison, M. V. & Curran, T. (2011, August). *Familiarity in Unbound Source Recognition*. Presentation at the Fifth International Conference on Memory, York, UK.
- Herzmann, G., Willenbockel, V., Tanaka, J. W., & Curran, T. (2011, May). *The neural processes underlying memory encoding and retrieval of own-race and other-race faces*. Poster presented at the annual meeting of the Vision Science Society, Naples, USA.
- Mollison, M. V. & Curran, T. (2011, April). *Investigating Familiarity's Contribution to Source Recognition*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco.
- Herzmann, G., Jin, M., Cordes, D., & Curran, T. (2011, April). *The role of the parietal cortex in picture orientation recollection: A within-subjects investigation with ERPs and fMRI*. Poster presented at the annual meeting of the Cognitive Neuroscience Society.
- Nyhus, E., & Curran, T. (2011, April). *Individual differences in executive function updating predict episodic retrieval*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco.
- Lai, V. T. & Curran, T. (2011, May). Conceptual Mappings and Comparison Processes in Metaphor Comprehension. Talk to be presented in Processing and Appreciating Creative Figurative Language. Heidelberg, Germany, 2011.
- Jones, M., Curran, T., Mozer, M., & Wilder, M.H. (2011, February). Sequential dependencies and the representation of temporal structure: Toward primitive mechanisms of learning, memory, and generalization. Poster presented at the Annual Computational and Systems Neuroscience (COSYNE) Meeting. Salt Lake City, Utah.
- Lai, V. T., Bethard, S. Curran, T. (2010, June). Early ERP Effects of the Metaphorical Profile of a Word. Talk to be presented in the 7th Mental Lexicon Conference. Windsor, Canada.
- Jin, M., Pelak, V., Curran, T., Banich, M., Nandy, R., & Cordes, D. (2010, June). fMRI differences between Mild Cognitive Impairment Subjects and Normal Subjects during Memory Tasks, Poster presented at the Annual Meeting of the Organization for Human Brain Mapping. Barcelona, Spain.
- Jin, M., Pelak, V., Curran, T., Banich, M., Nandy, R., & Cordes, D. (2010, May). Differences of Functional Activation Patterns between Subjects with Mild Cognitive Impairment and Normal Subjects. Poster presented at the Annual Meeting of the International Society for Magnetic Resonance in Medicine (ISMRM). Stockholm, Sweden.

- Herzmann, G., Curran, T. (2010, April). Effects of expertise on recognition memory. Poster presented at the annual meeting of the Cognitive Neuroscience Society, Montreal, Canada.
- Kharitonova, M., Curran, T., & Munakata, Y. (2010, April). ERP explorations of the relationship between filtering irrelevant information and working memory capacity. Poster presented at the annual meeting of the Cognitive Neuroscience Society, Montreal, Canada.
- Mollison, M. V., Curran, T. (2010, April). Source information retrieval in a recognition memory task. Poster presented at the annual meeting of the Cognitive Neuroscience Society, Montreal, Canada.
- Nyhus, E., Curran, T. (2010, April). Theta oscillations in top-down control of source memory retrieval. Poster presented at the annual meeting of the Cognitive Neuroscience Society, Montreal, Canada.
- Chatham, C. H., Claus, E. D., Curran, T., Banich, M. T., Kim, A., Munakata, Y. (2010, March). The Prefrontal Mechanism Underlying Inhibitory Control: Monitoring or Stopping? Poster presented at the 20th Annual Rotman Research Institute Conference on The Frontal Lobes, Toronto, Canada. Awarded "Outstanding Trainee Poster"
- Jones, M., Curran, T., Mozer, M., & Wilder, M.H. (2009, November). Sequential effects reflect learning of temporal structure. Paper presented at the 50th Annual Meeting of the Psychonomic Society (Boston, MA).
- Curran, T. (2009, October). Human learning and memory: Perspectives from event-related brain potentials (ERPs). Invited presentation to the First Sino-German Fall School of the International Research Training Group (IRTG) "Adaptive Minds: Neural and Environmental Constraints on Learning and Memory", Beijing, China.
- Curran, T. (2009, August). The ERP Correlates of Perceptual Expertise. Invited presentation to the Temporal Dynamics of Learning Center Boot Camp, San Diego, CA.
- Kharitonova, M., Curran, T., Munakata, Y., Kitajo, K., & Yamaguchi, Y. (2009; October). Theta oscillations reflect individual differences in working memory capacity. Poster presented at the Society for Neuroscience meeting, Chicago, IL.
- Lai, T. V. Curran, T. (2009 September). Comparison Processes and Conceptual Mappings in Metaphor Comprehension: Evidence from ERPs. Poster presented at the 15th Annual Conference on Architectures and Mechanisms for Language Processing, Barcelona, Spain.
- Lai, V. T., Curran, T. (2009, October). Conceptual mappings as comparison in metaphor comprehension. Poster presented at the Neurobiology of Language Conference. Chicago, Illinois, USA
- Vettel, J.M., Nestor, A., Bird, C.W., Heller, L.M., Curran T., & Tarr, M. J. (2009). Investigating the Interplay of Time & Semantics during Multimodal Integration. Poster presented at the 10th International Multimodal Research Forum, New York, NY.
- Snyder, H., Hutchison, N., Nyhus, E., Curran, T., Munakata, Y. (2009, July). So many options: The roles of neural inhibition and abstract representations in selection. Poster presented at the annual meeting of the Cognitive Science Society, Amsterdam, Netherlands.
- Nyhus, E., Curran, T. (2009, March). Recollection revealed by its absence: Midazolam-induced amnesia reduces memory for details and the ERP correlate of recollection. Paper presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco.
- D'Lauro, C., Scott, L.S., Sheinberg, D, Tanaka, J.W., & Curran, T. (2008, November). Spaced learning promotes robust perceptual expertise. Poster presented at Society for Neuroscience Conference in Washington, DC.
- Kharitonova, M., Curran, T., Miyake, A., & Munakata, Y. (2008, April). The relationship between working memory and filtering efficiency reverses with task demands: An ERP and behavioral study. Poster presented at the Cognitive Neuroscience Society Meeting, San Francisco, CA.
- Nyhus, E., Dennis, S., Curran, T. (2008, April). ERP indices of orthographic and normative frequency in recognition memory. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco.

- Piatt, C., Sadr, J., Curran, T. & Tanaka, J. (2008, March). The visual aha!: Investigating the onset of object perception using ERPs. Poster presentation at 2008 annual Joseph R. Royce Research Conference, University of Alberta, Edmonton, AB, Canada.
- Nyhus, E., Curran, T. (2008, January). Insights from ERP and behavioral modeling on a recognition memory task. Paper presented at the annual Context and Episodic Memory Symposium, Tampa, Florida.
- Speer, N., & Curran, T. (2007, November). Associative encoding is not always optimal for long-term memory retrieval. Society for Neuroscience Abstracts.
- Scott, L. S., Tanaka, J. W., Curran, T. (2007, November). Revisiting the N170 as an Index of Perceptual Expertise. Paper presented at the Workshop on the Electrophysiological Manifestation of Face Processing Methodology and Interpretation. Juden Hills, Israel.
- D'Lauro, C., Tanaka, J. W., & Curran, T. (2007, November). The preferred level of face categorization depends on discriminability. Poster presented at the 48th Annual meeting of the Psychonomic Society, Long Beach, CA.
- Huber, D. E., Fazendeiro, T., Curran, T., & Winkielman, P. (2007, November). Perceptual disfluency effects in recognition memory. Paper presented at the 48th Annual meeting of the Psychonomic Society, Long Beach, CA.
- Lai, V. T., Curran, T., Menn, L. (2007, August). The Comprehension Of Conventional And Novel Metaphors: An ERP Study. Poster presented at the 13th Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP), Turku, Finland.
- Nyhus, E., Curran, T. (2007, July). Semantic and Perceptual Contributions to Recognition Memory. Paper presented at the Australian Society for Cognitive Science, Adelaide, Australia.
- Nyhus, E., Curran, T. (2007, May). Perceptual Processing in Recognition Memory: An ERP Study. Poster presented at the annual meeting of the Cognitive Neuroscience Society, New York.
- Rass, O., Leynes, P.A., Landau, J.D., Curran, T., Raj., V., & Scisco, J. (2007) Event-Related Potential (ERP) Evidence of Blocked Retrieval. Poster presented at (1) The Annual Meeting of the Eastern Psychological Association, Baltimore, MD., March, 2007, (2) The Annual Meeting of the Cognitive Neuroscience Society, New York City, May, 2007.
- Speer, N., & Curran, T. (2006, November). ERP components involved in recognizing visual associations. Paper presented at the annual meeting of the Psychonomic Society, Houston, TX.
- Hauser, M., Craighead, W.E., Curran, T., (2006, November). Cognitive and Emotional Influences on Event-Related Brain Potentials. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Chicago, IL.
- Depue, B. E., Banich, M. T., Curran, T. (2006, November). Suppression of emotional and nonemotional content in memory: Effects of repetition on cognitive control. Paper presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Chicago, IL.
- Curran, T, Speer, N., and Hancock, J. (2006, July). ERP perspectives on binding in familiarity and recollection. Paper presented at The 4th International Conference on Memory, Sydney, Australia.
- Curran, T., (2006, May) Human learning and memory: Perspectives from event-related brain potentials (ERPs). Invited paper presented at the annual conference of The Taiwan Society of Clinical Neurophysiology (TSCN). Taipei, Taiwan.
- Depue, B. E., Banich, M. T., Curran, T. (2006). Neural mechanisms involved in the suppression of emotional memories. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco.
- Nyhus, E., & Curran, T. (2005). Early Perceptual Processing in Recognition Memory: An ERP study. Society for Neuroscience Abstracts.
- Scott, L. S., Tanaka, J. W., Sheinberg, D. L., & Curran, T. (2005). Becoming an Expert: Tracing the acquisition of perceptual expertise with ERPs. Society for Neuroscience Abstracts.

- Tanaka, J. W., Curran, T., Boddington, S., & Droucker, D. (2005). The N250 component as a measure of object and non-human face familiarity effects in ERPs. Society for Neuroscience Abstracts.
- Jacobs, J., Hwang-Grodzins, G., Curran, T., Kahana, M. J. (2005, April). EEG Oscillations Illustrate Cortical Roles in Memory Retrieval. Poster presented at the annual meeting of the Cognitive Neuroscience Society, New York.
- Fazendeiro, T., Huber, D., Curran, T., & Winkielman, P. (2005). Fluency Flip Flops: Priming effects on false recognition reverse as a function of prime processing. Poster presented at the 5th annual meeting of Society for Personality and Social Psychology. New Orleans, Louisiana.
- D'Lauro, C.J., Tanaka, J.W., Curran, T. (2004, October). Category level effects on object and face recognition: An N170 ERP study. Society for Neuroscience Abstracts.
- Gonsalves, B.D., Kahn, I., Curran, T., Norman, K.A., Wagner, A.D. (2004, October). Spatiotemporal predictors of later face recollection: Prefrontal cortex mediates top-down modulation of encoding. Society for Neuroscience Abstracts.
- Jacobs, J., Kahana, M. J., Curran, T. (2004, October). Oscillatory correlates of verbal working memory. Society for Neuroscience Abstracts.
- Peissig, J.J., Sanderson, M.I., Singer, J., Tanaka, J., Curran, T., Sheinberg, D.L. (2004, October). Changes in visual evoked potentials as a function of long-term familiarity in monkeys and humans. Society for Neuroscience Abstracts.
- Wong, A.C., Curran, T., Woroch, B., DeBuse, C., and Gauthier, I. (2004, May). N170 associated with expertise in letter perception. Fourth Annual Meeting of the Vision Sciences Society, Sarasota, FL.
- Huber, D. E., Curran, T., O'Reilly, R. C., & Woroch, B. (2004, April). Measuring the dynamics of word perception with ERPs: Immediate repetition priming with different prime durations. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Rossion, B., Curran, T., Collins, D., Goffaux, V. (2004, April) Evidence for overlapping early visual processes involved in face and car expertise at the level of the N170. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Tanaka, J. W. Curran, T., Porterfield, A., Collins, D. (2004, April) The N250 ERP component as an index of experimentally induced and pre-experimentally familiar faces. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Curran, T. (2003, October). ERP correlates of familiarity-based recognition. Invited presentation at the 43rd Annual Meeting of the Society for Psychophysiological Research, Chicago, IL.
- Depue, B. E., Banich, M., Curran, T. (2003, November). Cognitive control of emotional and non-emotional content in memory. Poster presented at the annual meeting of the Psychonomic Society, Vancouver, BC.
- Fazendeiro, T., Huber, D. E., Curran, T., & Winkielman, P. (2003, November). Recognition bias caused by immediate repetition priming depends on extent of prime processing. Poster presented at the annual meeting of the Psychonomic Society, Vancouver, BC.
- Curran, T., (2003, April). ERP studies of recognition memory. Invited presentation at the 73rd Annual Convention of the Rocky Mountain Psychological Association. Denver, CO.
- Curran, T. (2003, March). Exploring perceptual expertise: A multi-disciplinary approach to understanding visual object recognition. Symposium chaired at the annual meeting of the Cognitive Neuroscience Society, New York, NY.
- Gauthier, I., Curran, T., Curby, K. M., & Collins, D. (2003, March). Perceptual interference evidence for a non-modular account of face processing. Poster presented at the annual meeting of the Cognitive Neuroscience Society, New York, NY.
- Gonsalves, B., Davachi, L., Norman, K. A., Tim Curran, T. & Wagner, A. D. (2003, March). Neural correlates of recollection and familiarity-based recognition memory for faces. Poster presented at the annual meeting of the Cognitive Neuroscience Society, New York, NY.

- Huber, D. E., Curran, T., O'Reilly, R. C., & Worocho, B. (2003, July). Immediate repetition priming: Measuring synaptic depression with ERPs. Poster presented at the Twelfth Annual Computational Neuroscience meeting, Alicante, Spain.
- Norman, K. A., Curran, T., & Tepe, K. (2002, November). Event-related potential correlates of interference effects on recognition memory. Paper presented at the annual meeting of the Psychonomic Society, Kansas City.
- Curran, T. (2002, May). ERP explorations of dual processes in recognition memory. Invited paper presented at the International Conference on Binding in Human Memory, Saarbruecken, Germany.
- Goldman, R., Schacter, D., Daffner, K., Holcomb, P., Curran, T., Rugg, M., & Budson, A. (2002, April). Event-related potentials distinguish true and false recognition when student and lure items are discriminable. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Huber, D., Curran, T., & O'Reilly, R. (2002, April). Discounting repeated words through synaptic depression: Using event-related potentials to measure the correlates of linger and depressing neural activation. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Norman, K. A., Curran, T., & Tepe, K. (2002, April). Event-related potential correlates of interference effects on recognition memory. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Curran, T., Tanaka, J. W., & Weiskopf, D. M. (2001, June). Differentiating object categorization and recognition processes: A high density ERP study. Poster presented at the 7th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Brighton, UK.
- Curran, T. (1999, November). Electrophysiological correlates of recollection and familiarity. Paper presented at the meeting of the Psychonomic Society. Los Angeles, CA.
- Deckersbach, T., Savage, C.R., Curran, T., Wilhelm, S., Baer, L., Jenike, M.A., & Rauch, S.L. (1999, November). Implicit and Explicit Memory in OCD. Poster presented at the 33rd Meeting of the Association for the Advancement of Behavior Therapy, Toronto, Canada.
- Curran, T. (1999, July). ERP evidence for dual processes in recognition memory. Invited paper presented at the 7th International Conference on Cognitive Neuroscience (ICON VII). Budapest, Hungary.
- Curran T., Spinks, R., Thomas, C., Gilmore, G.C. (1999, June). Age-related visual decline affects memory and neural processing speed. Poster presented at the American Federation for Aging Research Grantee Conference. Santa Barbara, CA.
- Spinks, R., Curran T., Thomas, C., Gilmore, G.C. (1999, April). Effects of simulated visual aging on recognition memory and ERP latency in young adults. Poster presented at the 5th Annual Meeting of the Cognitive Neuroscience Society. Washington, D.C.
- Tanaka, J. & Curran, T. (1999, April). Probing the time course of expertise using ERPs. Poster presented at the 5th Annual Meeting of the Cognitive Neuroscience Society. Washington, D.C.
- Schacter, D. L., Curran, T., Reiman, E. M., Chen, K., Bandy, D. J., & Frost, J. T. (1998, December). Medial temporal lobe activation during episodic encoding and retrieval: A PET study. Fourth Annual Flinn Foundation Biomedical Research Symposium. Tucson, AZ.
- Curran T. & Spinks, R. (1998, September). Cloudy vision, foggy memory, and slowing brain waves. Invited presentation at the Annual Meeting of the Ohio Affiliate of the American Federation for Aging Research. Columbus, OH.
- Curran, T. (1998, April) ERP repetition effects in recognition and lexical decision. Poster presented at the 4th Annual Meeting of the Cognitive Neuroscience Society. San Francisco, CA.
- Spinks, R., Curran T., Thomas, C., Gilmore, G.C. (1998, April). Simulated visual aging slows brain waves. Poster presented at the 4th Annual Meeting of the Cognitive Neuroscience Society. San Francisco, CA.

- Spinks, R.A., Curran, T., Thomas, C.W., Gilmore, G.C. (April, 1998). Simulated old eyes = Slow brains. Paper presented at the Cognition and Aging Conference, Atlanta, GA.
- Spinks, R.A., Curran, T., Thomas, C.W., Gilmore, G.C. (March, 1998). Does failing vision cause slower brains? Poster presented at the Gatlinburg Conference on Research and Theory in Mental Retardation and Developmental Disabilities, Charleston, SC
- Schacter, D.L., Curran, T., Galluccio, L.D., Milberg, W.(1995, March). False recognition after right frontal lobe infarction. Poster presented at the Second Annual Meeting of the Cognitive Neuroscience Society. San Francisco, CA.
- Curran, T., & Keele, S. W. (1994, March). Converging evidence for distinct sequence learning mechanisms. Invited paper presented at the Inaugural Meeting of the Cognitive Neuroscience Society. San Francisco, CA.
- McCandliss, B.D., Curran, T., & Posner, M.I. (1994, November). Exploring the time course of word recognition for identical and cross case repetitions. Poster presented at the meeting of the Psychonomic Society. St. Louis, MO.
- McCandliss, B. D., Curran, T., & Posner, M. I. (1993). Repetition effects in processing visual words: A high density ERP study of lateralized stimuli. Neuroscience Abstracts, *19*, 1807.
- Hintzman, D. L., Caulton, D., & Curran, T. (1993, November). Fractionating memory retrieval. Paper presented at the meeting of the Psychonomic Society. Washington D.C.
- Curran, T., & Keele, S. W. (1992, April). Attentional and nonattentional forms of sequence learning. Paper delivered to the Western Psychological Association Convention. Portland, Oregon.
- Hintzman, D. L., & Curran, T. (1992). Registration without learning: A challenge to current models of memory. International Journal of Psychology, *27*, 103. (Abstract).
- Hintzman, D.L., & Curran, T. (1992, November). Converging evidence for two processes in recognition memory. Paper presented at the meeting of the Psychonomic Society. St. Louis, MO.
- Keele, S. W., & Curran, T. (1992, January) Attentional and nonattentional forms of sequence learning. Paper presented at the Annual Meeting of the McDonnell-Pew Program in Cognitive Neuroscience. Key Biscayne, FL.
- Tucker, D. M., Chung, G., & Curran, T. (1992, July). N400 topography. Poster presented at the CERP Cognitive Event-Related Potentials Workshop. Tysons Corners, VA.
- Tucker, D. M., Chung, G., & Curran, T. (1992, June). N400 topography. Poster presented at ICON V, International Conference on Cognitive Neuroscience. Jerusalem, Israel.
- Hintzman, D. L., Caulton, D., & Curran, T. (1991, November). Do deliberate, metamemorial judgments underlie the mirror effect? Paper presented at the meeting of the Psychonomic Society. San Francisco, CA.
- Keele, S. W., & Curran, T. (1991, June). On the independence of explicit and nonattentional implicit memory for sequence. Paper presented at the 2nd Annual Recent Advances in the Analysis of Attention Conference. Davis, CA.

Invited Colloquia

- Curran, T., (2011, September). Active Aging: Implications for Cognitive Functioning. Invited talk at the Hover Manor Senior Apartment Residence, Longmont, CO.
- Curran, T., (2007, August) ERP Explorations of the Time Course of Memory Retrieval. Invited talk at Colorado State University for the Banquet for the Research Experiences for Undergraduates Program. Fort Collins, CO.
- Curran, T., (2006, May) Human learning and memory: Perspectives from event-related brain potentials (ERPs). Invited colloquium at the University of Denver. Denver, CO.
- Curran, T., (2005, February) Human learning and memory: Perspectives from event-related brain potentials (ERPs). Invited Neuroscience colloquium at CU. Boulder, CO.

- Curran, T., (2003, November) ERP studies of recognition memory. Invited colloquium at Brandeis University. Waltham, MA.
- Curran, T., (2003, January) ERP studies of recognition memory. Invited colloquium at Vanderbilt University. Nashville, TN.
- Curran, T., (2002, November) ERP studies of recognition memory. Invited colloquium at the University of Denver. Denver, CO.
- Curran, T., (2001, October) Searching the Brain for MINERVA 2: ERP studies of recognition memory and categorization. Invited colloquium at the University of Oregon. Eugene, OR.
- Curran, T., Tanaka, J. W., & Weiskopf, D. (2001, April). ERP studies of expert object identification and exemplar recognition. Invited colloquium at Colorado State University. Fort Collins, CO.
- Curran, T., (2000, January). Brain waves of recollection and familiarity. Invited colloquium at the University of California at Davis. Davis, CA.
- Curran, T., (1999, December). Brain waves of recollection and familiarity. Invited colloquium for the Cleveland Neuropsychological Society. Cleveland, OH.
- Curran, T., (1999, October). Brain waves of recollection and familiarity. Invited colloquium at Michigan State University. East Lansing, MI.
- Curran, T., (1999, October) Brain waves of recollection and familiarity. Invited colloquium at Kent State University. Kent, OH.
- Curran T. (1998, December) Brain potentials of recognition memory. Invited colloquium at the Oberlin College. Oberlin, OH.
- Curran, T. (1997, March) The brain mechanisms of recollection and familiarity. Invited presentation to the Neuropsychology Unit of the Cleveland Clinic.
- Curran, T. (1996, May) A case study of false recognition after right frontal lobe injury. Meeting of the Cleveland Neuropsychological Society. Cleveland, OH.

Teaching Experience

2001-Present	Perception and Cognition Core (Undergraduate, CU) Proseminar on Memory (Graduate, CU)
2005	Electrophysiology of Mind and Brain (Graduate, CU)
2000	Proseminar on Visual Cognition, Memory, & Language (Graduate, CU)
1995 - 2000	Physiological Foundations of Behavior (Graduate, CWRU) Seminar in Cognitive Neuroscience (Graduate, CWRU) Physiological Psychology (Undergraduate, CWRU) Introductory Psychology (Undergraduate, CWRU)
Spring 1992	Neurobiology of Learning and Memory (Undergraduate, Oregon)
Summer 1991	Introduction to Statistical Methods for Psychology (Undergraduate, Oregon)

Professional Service

Associate Editor:

Memory & Cognition (2005 to 2008)

Journal of Experimental Psychology: General (2009 to present)

Editorial Board Member:

Journal of Experimental Psychology: Learning, Memory, and Cognition (1995 to 2004)

Journal of Experimental Psychology: General (1996 to 2000)

Memory & Cognition (1997 to 2004)

Neuropsychology (2000 to 2003)

Perspectives in Psychological Science (2005 to 2006)

Psychonomic Bulletin & Review (1998 to 2004)

Psychological Review (2004 to 2006)

Psychological Science (2003 to 2006)

Journal of Memory & Language (2001 to 2004)

Reviewed papers (ad hoc) for the following journals:

Acta Psychologica, American Journal of Psychology, Biological Psychology, Brain, Brain and Cognition, British Journal of Psychology, Cognitive Affective and Behavioral Neuroscience, Cerebral Cortex, Clinical Neurophysiology, Cognitive Brain Research, Cognitive Neuropsychology, Cognitive Psychology, Cortex, Developmental Neuropsychology, Intelligence, The International Journal of Neuropsychopharmacology, Journal of Abnormal Psychology, Journal of Experimental Psychology: Human Perception and Performance, Journal of Cognitive Neuroscience, Journal of Neuroscience, Learning and Memory, Memory, Nature, Neurobiology of Learning and Memory, NeuroImage, Neuropsychologia, PNAS, Psyche, Psychological Research, Psychological Review, Psychology and Aging, Psychophysiology, Quarterly Journal of Experimental Psychology, Stress, Trends in Cognitive Sciences

Ad hoc Grant Reviewing:

NIH - Cognition and Perception Study Section, 2003

NIH - Integrative, Functional and Cognitive Neuroscience Study Section, 1998

NSF - Human Cognition and Perception Division, 97, 98, 99, 00, 01, 02, 04, 05, 06

NIMH – Perception & Cognition, 1998

University of Michigan, 2002

Scottish Rite Schizophrenia Research Program, 1997

Oberlin College, 1996

Penn State University, 1996

Vrije Universiteit Brussel, 1996

External Thesis Review

University of Queensland, 2002

Book Reviewing (by Publisher):

Allyn & Bacon, Brooks/Cole, Houghton Mifflin, Sage, Wadsworth, Wiley

Education

1993

University of Oregon

Major: Experimental Psychology

Degree: Ph.D.

Dissertation: Unconscious Memory for New Associations:
Evidence from Process Dissociation

Advisors: Douglas L. Hintzman, Ph.D. (chair)

Steven W. Keele, Ph.D.

Michael I. Posner, Ph.D.

1993

University of Oregon

Major: Cognitive Neuroscience

Degree: Doctoral Certificate

Advisors: Michael I. Posner, Ph.D.

Don M. Tucker, Ph.D.

Steven W. Keele, Ph.D.

- 1990 University of Oregon
 Major: Experimental Psychology
 Degree: M.S.
 Thesis: The Expression of Implicit and Explicit Sequential Knowledge.
 Advisor: Steven W. Keele, Ph.D.
- 1988 University of Wisconsin, Madison
 Major: Psychology
 Degree: B.S.
 Honors Thesis: Temporal Coding and Amnesia.
 Advisor: Arthur M. Glenberg, Ph.D.

Honors and Awards

- Phi Beta Kappa
- Phi Kappa Phi
- National Science Foundation Doctoral Research Fellowship:
 Honorable Mention(1989-90 & 1990-91)
- Nominated by CWRU for Pew Scholarship in Biomedical Sciences, 1996
- Named a "Top Prof" by CWRU's Mortar Board Society, 1997
- Diekhoff Award for Distinguished Graduate Teaching, Honorable Mention, 1999
- Nominated for Undergraduate Teaching Excellence Award, 1999
- CU Council for Research & Creative Work (CRCW) Faculty Fellowship
 2007-2008 Sabbatical
- Fellow, Association for Psychological Science, 2009

Special Training

- 1992 McDonnell Summer Institute in Cognitive Neuroscience
 Dartmouth College and Medical School
 Sensory-Motor Integration and Neural Development.

Professional Affiliation

- Association for Psychological Science, Fellow
- Cognitive Neuroscience Society
- Psychonomic Society
- Society for Neuroscience

Previous Research Experience

- 1990 Graduate Research Fellow
 -1993 Department of Psychology
 University of Oregon
 Supervisor: Douglas L. Hintzman, Ph.D.
 Topic: Cognitive Studies of Human Memory
- 1990 Research Assistant
 -1993 Brain Electrophysiology Laboratory
 Department of Psychology
 University of Oregon
 Supervisors: Don M. Tucker, Ph.D.
 Michael I Posner, Ph.D.
 Topic: ERP studies of word processing and priming.

