

ANJALI THAPAR
CURRICULUM VITAE
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Department of Psychology
Bryn Mawr College
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EDUCATION

B.A.	1990 (with honors)	Case Western Reserve University Cleveland, Ohio
Ph.D.	1994	Case Western Reserve University Cleveland, Ohio

PROFESSIONAL HISTORY

Assistant Professor of Psychology, Williams College	1994 - 1998
Visiting Sabbatical Scholar, Northwestern University	1997 - 1998
Assistant Professor of Psychology, Bryn Mawr College	1998 - 2002
Associate Professor of Psychology, Bryn Mawr College	2003 - present

EXTRAMURAL FUNDING

Project Title: Mathematical modeling of age-related memory deficits. Awarded to A. Thapar. No. 1 R03 MH 57702-01. Funded by the Behavioral Science Track Award for Rapid Transition (B-START) grant from the National Institutes of Mental Health (\$37,066), 1997-1998.

Project Title: Modeling the effects of aging on reaction time. Awarded to R. Ratcliff and A. Thapar, No. 1 R01 AG 17083-01. Funded by the National Institute of Aging (\$1,414,636), 1999-2004.

Project Title: Theoretical analysis of the effects of aging on memory and reaction time. Awarded to R. Ratcliff, A. Thapar, and G. Mckoon. No. 2 R01 AG 17083-06A1. Funded by the National Institute of Aging (\$1,414,636), 2006-2011.

PUBLICATIONS

Thapar, A. (1992). The cue-depreciation effect on unprimed words. *Bulletin of the Psychonomic Society*, 30, 323-324.

- Thapar, A. & Greene, R.L. (1993). Evidence against a short-term-store account of long-term recency effects. *Memory & Cognition*, *21*, 329-337.
- Greene, R.L. & Thapar, A. (1994). Mirror effect in frequency discrimination. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *20*, 946-952.
- Thapar, A. & Greene, R.L. (1994). The effects of levels of processing on implicit and explicit memory tasks. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *20*, 671-679.
- Thapar, A., Petrill, S.A. & Thompson, L.A. (1994). The heritability of memory in the Western Reserve Twin Project. *Behavior Genetics*, *24*, 155-160.
- Thapar, A. & Greene, R.L. (1995). A strategic account of the cue-depreciation effect. *Canadian Journal of Experimental Psychology*, *49*, 513-519.
- Thapar, A. (1996). The reverse-interference effect in free recall. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *22*, 430-437.
- Greene, R.L., Thapar, A., & Westerman, D.L. (1998). Effects of generation on memory for order. *Journal of Memory and Language*, *38*, 255-264.
- Ratcliff, R., Thapar, A., & McKoon, G. (2001). The effects of aging on reaction time in a signal detection task. *Psychology and Aging*, *16*, 323-341.
- Thapar, A. & McDermott, K.B. (2001). False recall and false recognition induced by presentation of associated words: Effects of retention interval and level of processing. *Memory and Cognition*, *29*, 424-432.
- Thapar, A. & Rouder, J. N. (2001). Bias in conceptual priming. *Psychonomic Bulletin and Review*, *8*, 791-797.
- Ratcliff, R., Thapar, A., & McKoon, G. (2003) A diffusion model analysis of the effects of aging on brightness discrimination. *Perception and Psychophysics*, *65*, 523-535.
- Thapar, A., Ratcliff, R., & McKoon, G. (2003). A diffusion model analysis of the effects of aging on letter discrimination. *Psychology and Aging*, *118*, 415-428.
- Ratcliff, R., Thapar, A., Gomez, P. & McKoon, G. (2004). A diffusion model analysis of the effects of aging in the lexical decision task. *Psychology and Aging*, *19*, 278-289.
- Ratcliff, R., Thapar, A., & McKoon, G. (2004). A diffusion model analysis of the effects of aging on recognition memory. *Journal of Memory and Language*, *50*, 408-424.
- Ratcliff, R., Thapar, A., Smith, P. L., & McKoon, G. (2004). Aging and response times: A comparison of sequential sampling models. In *Measuring the Mind: Speed, Control, and Age*, (pp., 3-32), J. Duncan, P. McLeod, & L. Phillips (eds.), Oxford University

- Press: Oxford, England.
- Ratcliff, R., Thapar, A., & McKoon, G. (2006). Aging and individual differences in rapid two-choice decisions. *Psychonomic Bulletin and Review*, *13*, 626-635.
- Ratcliff, R., Thapar, A., & McKoon, G. (2006). Aging, practice, and perceptual tasks: A diffusion model analysis. *Psychology and Aging*, *21*, 353-371.
- Ratcliff, R., Thapar, A., & McKoon, G. (2007). Application of the diffusion model to two choice tasks for 75-90 year old adults. *Psychology and Aging*, *22*, 56-66.
- Thapar, A. & Snizek, S. M. (2008). Aging and the revelation effect. *Psychology and Aging*, *23*, 473-477.
- Thapar, A. & Westerman, D. (in press). Aging and fluency based illusions in recognition memory. *Psychology and Aging*.
- Thapar, A. & Rouder, J.N. (in press). Aging and recognition memory for emotional words: A bias account. *Psychonomic Bulletin and Review*.
- Ratcliff, R., Thapar, A., & McKoon, G. (under review). Individual differences, aging, and IQ in two-choice tasks.
- Thapar, A. (under review). Age invariance in the revelation effect: Data from an unrelated revelation task.

INVITED ARTICLES

- Thapar, A. (1996). Seeing the forest for the trees: Addressing the plight of the novice student. [Review of *Cognition in Action* (2nd ed.) by M.M. Smyth, A. Collins, P. Morris, & P. Levy.] *Contemporary Psychology*, *41*, 5, 442.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS

- Thapar, A. (May, 1992). The role of strategies in cue-depreciation. Presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Greene, R.L., & Thapar, A. (November, 1992). Mirror effect in frequency discrimination. Presented at the annual meeting of the Psychonomic Society, St. Louis, MO.
- Thapar, A., Greene, R.L., & Short, E.J. (March, 1993). Individual and developmental differences of implicit memory. Presented at the 26th Annual Gatlinburg Conference on Mental Retardation and Developmental Disabilities, Gatlinburg, TN.
- Thapar, A., Short, E.J., & Greene, R.L. (May, 1993). The development of implicit memory in children. Presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Thapar, A., & Greene, R.L. (November, 1993). Effects of levels of processing on implicit and

- explicit tasks. Presented at annual meeting of the Psychonomic Society, Washington D.C.
- Thapar, A., Petrill, S.A., & Thompson, L.A. (March, 1994). The heritability of memory: A meta-analytic study. Presented at the 27th Annual Gatlinburg Conference on Mental Retardation and Developmental Disabilities, Gatlinburg, TN.
- Thapar, A. (July, 1994). The cue-depreciation effect: A strategic account. Presented at the 3rd Practical Aspects of Memory Conference, College Park, MD.
- Thapar, A. (November, 1994). The reverse-interference effect in free recall. Presented at the annual meeting of the Psychonomic Society, St. Louis, MO.
- Thapar, A., & Chelius, L. (June, 1996). The role of the central executive function in cognitive aging. Presented at the annual meeting of the American Psychological Society, San Francisco, CA.
- Thapar, A. (July, 1996). The false implicit memory effect. Presented at the First Annual Summer Workshop in Cognitive Psychology, Williamstown, MA.
- Thapar, A. (November, 1996). Effects of level-of-processing on response bias in implicit memory tasks. Presented at the annual meeting of the Psychonomic Society, Chicago, IL.
- Thapar, A., McDermott, K.B., & Fong, C.T. (November, 1997). Effects of level-of-processing and retention interval on false recall. Paper presented at the annual meeting of the Psychonomic Society, Philadelphia, PA.
- Thapar, A. (July, 1998). Mathematical models of the effects of aging on memory. Presented at the Third Annual Summer Workshop in Cognitive Psychology, Williamstown, MA.
- Ratcliff, R. & Thapar, A. (August, 1998). Aging, Reaction Time, and a Diffusion Model. Paper presented at the 31st annual meeting of the Society for Mathematical Psychology, Nashville, TN.
- Thapar, A. (July, 1999). Isolating the "Aging" in Cognitive Aging. Presented at the Fourth Annual Summer Workshop in Cognitive Psychology, Albany, NY.
- Ratcliff, R. & Thapar, A. (November, 1999). Aging, Reaction Time, and a Diffusion Model. Paper presented at the annual meeting of the Psychonomic Society, Los Angeles, CA.
- Thapar, A. & Rouder, J. N. (November, 1999). The false implicit memory effect. Paper presented at the annual meeting of the Psychonomic Society, Los Angeles, CA.
- Thapar, A. & Ratcliff, R. (April, 2000). Using information processing models to investigate the effect of aging on reaction time. Paper presented at the annual meeting of the Cognitive Aging Conference, Atlanta, GA.
- Ratcliff, R., Thapar, A., & McKoon, G. (July, 2001). The effects of aging on reaction time in recognition memory. Paper presented at the annual meeting of the

International Conference on Memory, Valencia, Spain.

Ratcliff, R., Thapar, A., & McKoon, G. (December, 2001). Modeling response time and the effects of aging on cognitive processes. Paper presented at the annual meeting of the Australasian Mathematical Psychology Society, Newcastle, Australia.

Thapar, A., Ratcliff, R., McKoon, G. (April, 2002). Isolating age differences in practice effect. Paper presented at the annual meeting of the Cognitive Aging Conference, Atlanta, GA.

Ratcliff, R., Thapar, A., Smith, P., & McKoon, G. (June, 2004). Sequential sampling models applied to RT data from older and young subjects. Paper presented at the "Speed, control, and age: In honor of Patrick Rabbitt" meeting sponsored by the Experimental Psychology Society, Oxford, England.

Thapar, A. (February, 2006). Diffusion Model Analysis of the Effects of Aging on Cognition. Paper presented at the Freiburg Workshop on Diffusion Model Data Analysis, Freiburg, Germany.

Thapar, A., Ratcliff, R., McKoon, G. (July, 2006). Diffusion model analysis of the effects of Alzheimer's disease on information processing. Paper presented at the Fourth International Conference on Memory, Sydney, Australia.

Thapar, A., May, E., Mann, C., Schlimbach, W., Westerhoff, C., Ticehurst, K., Arnstein, D., & Solook, K. (2008). The effects of racial stereotypes on judgment. Paper presented at the Annual Meeting of the Eastern Psychological Association in Boston, MA.

Mann, C., May, E., Thapar, A., Schlimbach, W., Westerhoff, C., Ticehurst, K., Arnstein, D., & Solook, K. (2008). The Impact of Racial Stereotypes on Impression Formation. Paper presented at the Twentieth Annual Meeting of the Association for Psychological Science in Chicago, IL.

Seward, D., Thapar, A., Carrazzino, L., & McCarthy, J. (2009). Age Differences in the Processing of Emotional Expressions Paper presented at the Annual Meeting of the Eastern Psychological Association in Pittsburgh, PA.

INVITED COLLOQUIA

Thapar, A. (Nov. 1995). "Implicit memory: Twenty years of bias research?" Presented at the Memory Lecture Series at Brandeis University.

Thapar, A. (March 1999). "The distinction between implicit and explicit memory: 25 years of Bias?" Presented at the Department Lecture Series at Villanova University.

Thapar, A. (April 1999). "What "Ages" in Cognitive Aging?" Presented at the Department Lecture Series at Wesleyan University.

Thapar, A. (April 2008). "Aging and recognition memory illusions." Presented at the Cognitive Brown Bag Lecture Series at Princeton University.

Thapar, A. (April 2009). "Aging and fluency based memory illusions." Presented at the Department Lecture Series at University of Rutgers.

PROFESSIONAL AFFILIATION AND ACTIVITIES

Consulting Editor. Journal of Experimental Psychology: Learning, Memory, and Cognition (2003 – present).

Guest Reviewer, British Journal of Psychology
Guest Reviewer, Journal of Memory and Language
Guest Reviewer, Perception and Psychophysics
Guest Reviewer, Psychonomic Bulletin and Review
Guest Reviewer, Psychology and Aging

Member, American Psychological Society
Member, Psychonomic Society

UNIVERSITY AND COMMUNITY SERVICE (at Bryn Mawr College)

Chair of the Psychology Department	2009-present
Member, Committee on Academic Priorities	2007-present
Chair of the Faculty Welfare Committee	2006-present
Member, Committee on Faculty Awards and Grants	2005-2008
Faculty 21 Member of Project Kaleidoscope	2002 – present
Bryn Mawr College Curriculum Committee	2001 – 2004
Bryn Mawr College Representative to the New Directions Fellowship Conference funded by the Mellon Foundation	June 2002
Member, Quantitative Search Committee	2000 – 2002
Bryn Mawr Faculty Representative to the Tri College Workshop Funded by the Mellon Foundation	1999 – 2001
Bryn Mawr Faculty Representative to the Seven Sisters Conference	1999 – 2001
Junior-Career Faculty Conversation Facilitator	December 1999
Member, Computer Science Faculty Search Committee	1999 – 2001
OWLS Program	1999 – 2001
Space Planning Committee	1999 – 2000
Department IRB Reviewer	1998 – present
Member of the Neural and Behavioral Sciences (NBS) concentration	1998 – present
Chair of the Introductory Psychology Subject Pool	1999 – present

COURSES TAUGHT

Introductory Psychology
Cognitive Psychology (Course plus Lab)

Experimental Methods and Statistics (Course plus Lab)
Adult Development and Aging
Undergraduate Seminar on Human Memory (Course plus Lab)
Undergraduate Seminar on Frontal Lobe (Course plus Lab)
Perspectives on Psychological Science, Senior Seminar in Psychology
Senior Seminar in Neural and Behavior Sciences
Graduate Seminar on Cognitive Psychology
Graduate Seminar on Cognitive Neuroscience

SUPERVISION OF HONORS THESES, M.A. THESES AND PH.D. DISSERTATIONS

SENIOR HONORS THESES (DIRECTOR):

Stephanie Nelson (1997), Williams College honors thesis. The level of processing effect in implicit memory: It's not an artifact.

Lori Chelius (1997), Williams College honors thesis. The effect of anxiety on the central executive function.

Michelle Adams (1997), Williams College honors thesis. Effects of directed forgetting on implicit memory tasks.

Kelly Mack (1999). The effects of encoding and retrieval manipulations on false memories.

Kimberly Bibbo (2000). Exploring the bias effect in a conceptual implicit memory test.

Anne King (2000). Exploring the limits of memory: Examining the effects of source credibility, order of text presentation, and retention interval on the misinformation effect.

Laura Chivers (2001). The effect of manipulating response tendencies on spatial test performance for men and women.

Mollie Berliss (2002). List differences and false memory in the DRM paradigm: An exploration of underlying mechanisms. (Co-supervised with Robert Wozniak.)

Daniel Heinz (2002). Gender differences in recognition memory: An exploration of competing theories.

Shannon Lee (2003). Sex differences: A wayfinding experiment based on female preferred strategy. (Co-supervised with Paul Grobstein.)

Manisha Ratkalkar (2003). Sex differences in children's performance on spatial ability tests.

Patricia Serrano (2003). Sex differences in perception of physically possible and impossible figures.

Sural Shah (2003). Effects of pictorial encoding on false memory formation.

Catherine McConney (2004). Sex differences in mental rotation: effects of type of problem, perspective, degree of rotation, and practice.

Ana Genao (2005). False Memories: Evidence for unintentional processing of semantically associated words using a Stroop variation task.

Beverly Burgess (2007). Focused memory: A study of emotional memory and the positivity effect in older adults.

Elizabeth Hong (2007). Sex differences in general knowledge.

Mary Kubalanza (2007). Do athletes have superior spatial reasoning abilities? Examining experimental variation within female performance on the mental rotation task.

Whitney Schlimbach (2007). Modern stereotypes: The race halo effect.

Sarah Malaya Sniezek (2007). The effects of aging on the fluency heuristic.

Ashleigh M. Backman (2008). Effects of computer-based cognitive training program on healthy-aging adults and individuals with Alzheimer's disease.

Natsu Fukui (2008). Development and evaluation of a cognitive training program for elderly adults.

Katharine Ticehurst (2008). The effects of racial stereotypes in a clinical setting.

Tamara R. Tomasic (2008). The effects of cognitive training on retardation of annual cognitive decline in Alzheimer's patients over a period of three to six months.

Cassandra Westerhoff (2008). Subliminal stereotype priming and perception: The effects of unconscious stereotype priming on judgments of ambiguous behavior.

MASTERS THESES

Christopher Lorah (2001). An evaluation of developmental trends in false recognition rates of pictures: The false recognition tendencies for pictures of 4, 8 and 13-year-olds.

Elizabeth Eisenhart (2004). The development of spatial ability and attitudes and beliefs in elementary school age children.

Carmelinda Mann (2006). The effects of stereotype on object identification.

Katharine Ticehurst (in progress).

Devon Seward (in progress).

DISSERTATIONS

Christopher Lorah (2006). False recognition and the distinctiveness heuristic.

Elizabeth Eisenhart (2009). The effect of race in therapy.

Carmelinda Mann (in progress).