

DOUGLAS K. DETTERMAN

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Education

Boston University, B.A., 1967

University of Alabama, Ph.D., 1970

Northwestern University, Postdoctoral, 1972

Training and Employment History

1. Research Assistant, University of Alabama, Dr. Norman Ellis, 1967-1970
2. Assistant Professor of Psychology, University of Dayton, 1970-1972
3. Postdoctoral Fellow, Dr. Benton J. Underwood, Northwestern University, 1972-1973
4. Assistant Professor of Psychology, Case Western Reserve University, 1973-1975
5. Associate Professor of Psychology, Case Western Reserve University, 1976-1978
6. Associate Professor of Psychology with Tenure, Case Western Reserve University, 1979-1983
7. Chair, Department of Psychology, Case Western Reserve University, 1982-1985
8. Professor of Psychology, Case Western Reserve University, 1983-2013
9. Visiting Scientist, IPA program, Air Force Human Resources Laboratory, Test and Training Research (MOE), Brooks Air Force Base, Texas 78235, 1985-1986.

10. Director, Experimental Program in Psychology, 1986 - 2013
11. Armington Professor, 1995-1997
12. Louis D. Beaumont University Professor, 1998 – 2013
13. COSI Search Committee
14. Anthropology Search Committee
16. Chair, Psychology, 2002-2005
17. Louis D. Beaumont University Professor Emeritus, 2013 -
18. Institute of Mental Chronometry, Vice President and Board Member

Major Service Activities

1. Membership Chairman, A.P.A. Division 33 - Mental Retardation, 1974-1980
2. Founder and Editor of *Intelligence: A Multidisciplinary Journal* published by Ablex Publishing Corp., Currently published by Elsevier, Jan. 1975-Dec. 2015.
3. Board of Directors and Chairman, Professional Advisory Committee, H.E.L.P. for Retarded Children, 1975-1978
4. Warrensville Center for the Retarded Interdisciplinary Research Committee, 1977-1981, 1983-
5. Cuyahoga Community College Human Use Committee, 1978-1981
6. Executive Planning Board, N.A.T.O. Conference on Human Intelligence, York, England, 1979
7. Editor, *MR Newsletter*, A.P.A. Division 33, 1980
8. Executive Committee, Program Brain, 1979-1982
9. University Computer Planning Committee, 1979-1981
10. Expert witness on Eyewitness Identification in a number of cases
11. Program Director, Mental Retardation Research Program, 1979-2013
12. Member, Special Mental Retardation Study Section, Division of Research Grants, National Institutes of Health, 1980
13. Director, Gatlinburg Conference on Mental Retardation, 1981-1986
14. Chair, Ad Hoc MR-DD Study Section, NICHD, November 1982

15. President, Division 33 (Mental Retardation), A.P.A., 1984
16. Western Reserve Core Committee, 1983
17. University Computer Committee, 1987
18. Provost's Promotion and Tenure Committee, CWRU, 1991
19. Ad hoc Graduate Deans Special Committee
20. HUD-III Study Section, 1989-1993
21. C.W.R.U. Panel for Hearing Procedures, 1992-1994
22. Western Reserve Computer Committee, 1988-1992
23. Task Force on Computing and Information Resources, 1992-1993.
24. National Science Board Research Roundtable Project, Participant, 1993.
25. C.W.R.U. Panel for Hearing Procedures, 1996-1997
26. University of Miami, Developmental Advisory Committee, 1996-2002
27. Scientific Advisory Committee, E. K. Shriver Center, Waltham, MA.
28. Committee on Appointments and Tenure, College of Arts and Sciences, 1998-2000
29. Founded International Society for Intelligence Research, 2000
30. Founded and Organized ISIR Conference, Cleveland, OH, November 30 – Dec. 2, 2000.
31. MRG Special Grant Review Committee for RFP on Fragile X Syndrome, November, 2000.
32. NIH Peer Review Committee, Mental Retardation, 2000-2003
33. Organized ISIR conference, 2000 – 2010
34. Chair, Arts and Sciences Library Committee, 2001 – 2002
35. Teaching Evaluation Committee, CWRU, 2002.
36. NIH Peer Review Committee, Brain and Behavioral Science, 2003 – 2004
37. Chair, Psychology, 2002-2004

Honors

- Fellow, American Psychological Association, 1978-1998
- Fellow, American Psychological Society, Charter Member, 1990-
- Mensa Research Award, 1991

Edgar A. Doll Award, Division 33, American Psychological Association, 2007.

International Society for Intelligence Research, Lifetime Contribution Award, 2007.

Editorial Positions

Editor, *Intelligence*, 1977-2013

Advisory Editor in Mental Retardation, *Contemporary Psychology*, 1978-1981

Editorial Board, *Journal of Educational Psychology*, 1993-1996

Consulting Editor, *American Journal of Mental Retardation*, 1998-2000

Reviewer for *American Journal of Mental Deficiency*, *Journal of Experimental Psychology, Science*, *Italian Journal of Psychology*, *Journal of Experimental and Social*, *Journal of Applied Mental Retardation Research*, *Psychological Bulletin*, *Child Development*, *Journal of Experimental Child Psychology*, *Behavior and Brain Sciences*, *Buros Institute*, *Journal of Applied Psychology* and others.

Teaching Interests

Human Intelligence, Mental Retardation, Research Design and Computer Methods, Statistics, Introductory Psychology

Doctoral Students

David R. Caruso, 1979-1983, Postdoctoral, Yale University, Edward Zigler; Self-employed.

John D. Mayer, 1981-1982, Postdoctoral, Stanford University, Gordon Bower; Professor, Univ. of New Hampshire

Louise Parker, (MA), 1981-1983, Ph.D., Stanford University; Postdoctoral, University of Michigan

Peter J. Legree, 1982-1986, Army Research Inst., Arlington, Va

Frances J. Connors, 1983-1986, Associate Professor, University of Alabama.

Michael Kahana, (MA), 1988-1990, Ph.D., University of Toronto, Postdoctoral, Harvard University, William Estes, University of Pennsylvania

Charlotte Andrist, 1986-1991, Notre Dame College, Cleveland, OH

Dasen Luo, 1987-1992, Indiana University of Pennsylvania

Kathleen Spry, 1986-1996

Rebecca Lasek, 1991-1993

Linda Kim, 1992-1995.

Lynne Gabrielle, 1994-2000, Assistant Professor, Cuyahoga Community College

Joanne Ruthsatz, 1996-2000, Assistant Professor, John Carroll University

Meredith Frey, 2001- 2005, Otterbein College, Westerville, OH

Katherine Gartman 2003- 2007, Cleveland Clinic

Mike DeDonno, 2004-2009

Research Interests

Why are some people smarter than others?

Grants & Awards

Distinctiveness in Memory, PI-Douglas K. Detterman, National Science Foundation, 7-71 - 6-72, \$5,000

Determinants of Induced Amnesia, PI-Douglas K. Detterman, National Institutes of Health, 7-72 - 6-73, \$4,995

Learning Strategies in the Mentally Retarded, PI-Douglas K. Detterman, Cleveland Foundation, 7-73 - 6-74, \$2,000

Intelligence, PI-Douglas K. Detterman, Ablex Publishing Corp., 1-75 - present, \$6,000 per year

Studies of Tachistoscopic Recognition, PI-Grover C. Gilmore, Stephen K. Reed, & Douglas K. Detterman, N.I.H. Institutional Biomedical Research Grant, 1-76 - 6-77, \$3,250

Computer-Aided Studies of Memory and Cognition, PI-Douglas K. Detterman & Stephen K. Reed, N.I.H. Institutional Biomedical Research Grant, 7-77 - 6-78, \$5,500

Vocabulary Development, PI-Douglas K. Detterman, N.I.H. Institutional Biomedical Research Grant, 7-78 - 6-79, \$2,600

Mental Retardation Research Training in Psychology, PI-Douglas K. Detterman, N.I.H., National Institute of Child Health and Human Development, Office of Mental Retardation, 7-79 - 6-84, \$694,660

Assessing Cognitive Deficits in the Mentally Retarded, PI-Douglas K. Detterman, N.I.H., National Institute of Child Health and Human Development, Office of Mental Retardation, 9-81 - 8-84, \$112,115

- Computer Assisted Instruction in the Mentally Retarded, PI-Douglas K. Detterman (in name), Dave Caruso (Co-PI), Apple Foundation, 1-83 - 12-83, \$7,300
- Gatlinburg Conference Support, PI-Douglas K. Detterman, N.I.H., National Institute of Child Health and Human Development, Office of Mental Retardation, 7-83 - 6-84, \$4,800
- Mental Retardation Research Training in Psychology, PI-Douglas K. Detterman, N.I.H., National Institute of Child Health and Human Development, Office of Mental Retardation, 7-84 - 6-89, 488,696
- Gatlinburg Conference Support, PI-Douglas K. Detterman, N.I.H., National Institute of Child Health and Human Development, Office of Mental Retardation, 3-85 - 2-86, \$9,889
- Gatlinburg Conference Support, PI-Douglas K. Detterman, N.I.H., National Institute of Child Health and Human Development, Office of Mental Retardation, 3-86 - 2-87, \$10,168
- Intergovernmental Personnel Act, PI-Douglas K. Detterman, Air Force Office of Scientific Research, Human Resources Laboratory, Brooks Air Force Base, 7-85 - 6-86, \$72,388
- Interaction of Cognitive Abilities and Instructional Variables in Computer Assisted Instruction in Mentally Retarded Students, PI-Douglas K. Detterman in name - To Frances Conners, Department of Education, 9-85 - 7-86, \$4,663
- Models of Mental Functioning, PI-Douglas K. Detterman, Air Force Office of Scientific Research, 6-87 - 5-88, \$14,177
- Cognitive Profile of Alzheimer Disease Patients, PI-Douglas K. Detterman, University Hospital Alzheimer Center, 6-87 - 5-88, \$6,320
- Mental Retardation, Cognition, and Achievement in Twins, PI-Douglas K. Detterman, National Institute of Child Health and Human Development, 7-87 - 6-90, \$123,303 first year; 344,317 three years
- Response Devices and Cognitive Tasks, PI-Douglas K. Detterman, Air Force Office of Scientific Research, 6/89 - 5/91, \$66,000
- Mental Retardation Research Training in Psychology, PI-Douglas K. Detterman, N.I.H., National Institute of Child Health and Human Development, Office of Mental Retardation, 7-89 - 6-94, \$694,660
- Cognitive Abilities in Aging Down Syndrome Mentally Retarded Adults, PI-Douglas K. Detterman, Teaching Nursing Home Center Core of School of Medicine, Case Western Reserve University, 12/89 - 6/90, \$4,425
- Basic Cognitive Tasks in AD and Down Syndrome Subjects, Thomas J. Klutznick Pilot Research Grant, PI-Douglas K. Detterman, Alzheimer's Association, 12/90 - 11/91, \$22,727

Eye-Tracking Studies of Cognitive Processes, PI-Douglas K. Detterman, G. Gilmore, M. Strauss, Biomedical Research Equipment Grant, Case Western Reserve University, 7/90 - 6/91, \$5,880

Cognition in Twins: Genetic Markers. PI-Robert Plomin. Subcontract to PI-Lee Ann Thompson CO-PI- D. K. Detterman, National Institute of Child Health and Human Development, 10/91 - 9/92, \$109,000.

Mental Retardation Research Training in Psychology, PI-Douglas K. Detterman, N.I.H., National Institute of Child Health and Human Development, Office of Mental Retardation, 7-95 - 6-00, \$599,395

Mental Retardation Research Training in Psychology, PI-Douglas K. Detterman, N.I.H., National Institute of Child Health and Human Development, Office of Mental Retardation, 7-00 - 7-05, \$720,010.

Senior Research Support, Case Western Reserve University, 01-05 – 12 – 05. \$10,000.

Templeton Foundation Grant, Support of International Society for Intelligence Research, 2003-2006; \$36,000.

Institute for the Study of Educational Differences, Support for the International Society for Intelligence Research, 2005-2010, \$350,000.

Presentations

Ellis, N. R., Detterman, D. K., & McCarver, R. B. (1969, March). *Cultural differences in learning and memory*. Presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.

Detterman, D. K., & Ellis, N. R. (1970, April). *Distinctiveness and the serial position effect in short-term memory*. Presented at the Southeastern Psychological Association, New Orleans, LA.

Detterman, D. K. (1974, May). *Induced retrograde amnesia as retrieval failure*. Presented at the Midwestern Psychological Association, Chicago, IL.

Detterman, D. K. (1974, August). *Primacy effects in short-term memory*. Presented at the American Psychological Association, New Orleans, LA.

Detterman, D. K. (1974, March). *The mind of the infant*. (Moderator and Organizer) A symposium presented at the Seventh Annual Conference on Research and Theory in Mental Retardation, Gatlinburg, TN.

- Detterman, D. K. (1975, March). *Various rehearsal strategies in the mentally retarded*. Presented at the Eighth Annual Conference on Research and Theory in Mental Retardation, Gatlinburg, TN.
- Detterman, D. K. (1976, March). *The total time law and the mentally retarded*. Presented at the Ninth Annual Conference on Research and Theory in Mental Retardation, Gatlinburg, TN.
- Betts, P. A., & Detterman, D. K. (1978, March). *Comparison of normal and retarded performance on a lifted-weight task with rehearsal reduced or eliminated*. Presented at the Eleventh Annual Conference on Research and Theory in Mental Retardation, Gatlinburg, TN.
- Detterman, D. K. (1978, March). *The unification of the two disciplines of scientific psychology in the study of intelligence?* (Chair) Symposium presented at the American Educational Research Association, Toronto, Canada.
- Detterman, D. K., & Ramig, P. (1978, November). *The relationship between vocabulary size and memory*. Presented at the Psychonomic Society, San Antonio, TX.
- Detterman, D. K. (1979, March). *What will intelligence tests be in the year 2000*. (Chair) Symposium presented at the American Educational Research Association, San Francisco.
- Detterman, D. K. (1979, July). Invited participant. Presented at the N.A.T.O. Conference on Human Intelligence, York, England.
- Detterman, D. K. (1980, April). *How and how much can intelligence be changed?* (Chair). Symposium presented at a meeting of the American Educational Research Association, Boston.
- Detterman, D. K., & Caruso, D. R. (1980, April). *Intelligence research and intelligent policy*. Presented at a meeting of the American Educational Research Association, Boston.
- Caruso, D. R., & Detterman, D. K. (1982, April). *Stimulus encoding by retarded and non-retarded adults*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.
- Detterman, D. K. (1982, April). *Mental retardation research: Past, present, and future*. Paper presented at the Gatlinburg Conference on Mental Retardation.
- Detterman, D. K., Caruso, D. R., Mayer, J. D., Legree, P. J., & Conners, F. A. (1983, March). *Assessing cognitive deficits in the mentally retarded*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.
- Legree, P. J., & Detterman, D. K. (1983, March). *Very short-term memory processes in retarded and nonretarded individuals*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.

- Conners, F. A., & Detterman, D. K. (1983, March). *Relationship of choice reaction time, encoding speed, and high speed scanning rate to IQ*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.
- Caruso, D. R., & Detterman, D. K. (1983, March). *Differences between retarded and nonretarded subjects in stimulus identification, short-term memory, and rehearsal*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.
- Mayer, J. D., & Detterman, D. K. (1983, March). *Probed learning and memory in the mentally retarded*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.
- Detterman, D. K., Caruso, D. R., Mayer, J. D., Legree, P. J., Conners, F. A. (1983, March). *Assessing cognitive deficits in the mentally retarded: Findings from overall analyses of tasks*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.
- Detterman, D. K., Conners, F. A., Legree, P. J., Taylor, R. K. (1984, March). *Assessing cognitive deficits in the mentally retarded*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.
- Conners, F. A., & Detterman, D. K. (1984, March). *IQ correlates of reaction time, memory search, and recognition*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.
- Legree, P. J., & Detterman, D. K. (1984, March). *Very-short-term visual processes and probed learning and relearning in relation to intelligence and information processing*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.
- Taylor, R. K., & Detterman, D. K. (1984, March). *Stimulus identification, rehearsal, and probed recall*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.
- Detterman, D. K. (1984, June 4). *Computer-assisted testing of the mentally retarded*. Invited address to Western Reserve Psychology Association, N. E. Ohio Developmental Center.
- Detterman, D. K. (1984, July). *Computer-assisted testing*. Invited address to Practicum on Computing in Undergraduate Education, Gettysburg College, Gettysburg, PA.
- Detterman, D. K. (1984, August). *Computer-assisted assessment of the mentally retarded*. Paper presented at the American Psychological Association, Toronto, Canada.
- Detterman, D. K. (1985, March). *Computer-assisted assessment of the mentally retarded*. Paper presented at the Seventh International Congress on Mental Deficiency, New Delhi, India.
- Conners, F. A., & Detterman, D. K. (1985, March). *Simple cognitive abilities and word learning in moderately retarded adolescents*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.

- Legree, P. J., & Detterman, D. K. (1985, March). *The test-retest reliability of ten elementary cognitive tasks*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.
- Detterman, D. K. (1985, May). *Using basic cognitive tasks to predict intellectual functioning*. Paper presented at the annual meeting of the Society for Philosophy and Psychology, Toronto, Canada.
- Detterman, D. K. (1985, August). *Theoretical notions on intelligence and mental retardation*. Presidential address to Division 33, American Psychological Association, Los Angeles, CA.
- Detterman, D. K. (1986, October). *Human intelligence as a complex system*. Colloquium presented at the University of Western Ontario, London, Ontario, Canada.
- Detterman, D. K. (1986, October). *Theories of mental retardation*. Colloquium presented at the University of Alabama, Tuscaloosa, AL.
- Detterman, D. K. (1986, November). *Basic cognitive process predict IQ*. Paper presented at the Psychonomic Society, New Orleans, LA.
- Parker, L. E., & Detterman, D. K. (1986, August). *Professional interests and scholarly productivity of clinical psychology graduate students*. Paper presented at the American Psychological Association, Washington, D.C.
- Detterman, D. K. (1988, August). *A systems theory of mental retardation: Evidence in support*. Paper presented at the meeting of the 8th International Association for the Scientific Study of Mental Deficiency, Dublin, Ireland
- Detterman, D. K. (1988, November). Invited participant, *Conference on PET applications to intelligence research*. Department of Psychiatry and Human Behavior, University of California, Irvine.
- Detterman, D. K. (1989, March). Average correlations at different ability levels. Paper presented at the annual meeting of the Gatlinburg Conference on Research and Theory in MR/DD, Gatlinburg, Tennessee.
- Detterman, D. K. & Thompson, L. T.. (1989, June). *Heritability within high and low IQ groups*. Paper presented at the 19th Annual Meeting of the Behavior Genetics Association, Charlottesville, Virginia.
- Detterman, D. K. (1989, November). *Are mental processes the same across the ability spectrum?* Paper presented at the 30th Annual Meeting of the Psychonomic Society, Atlanta.

- Detterman, D. K. (1990, April). *The case for the prosecution: Transfer as an epiphenomenon*. Part of symposium, Transfer on Trial: Intelligence, Cognition, and Instruction. Paper to be presented at the Annual Meeting of the American Educational Research Association, Boston.
- Detterman, D. K. & Persanyi, M. (1990, April). *Mental tests correlate highest in low IQ groups: Evidence from Kaufman-ABC*. Poster presented at the Annual Meeting of the American Educational Research Association, Boston.
- Andrist, C. H. & Detterman, D. K. (1990, April). *The relationship between perceptual structure and individual differences in performance on the Raven's*. Paper presented at the Annual Meeting of the American Educational Research Association, Boston.
- Detterman, D. K. & Thompson, L. A. (1990, August) *Development of Basic Cognitive Abilities Differing in Heritability*. Paper presented at the annual meeting of the American Psychological Association, Boston.
- Detterman, D. K. (1991, February). *Current theories from a system perspective*. Part of a symposium to be presented at the annual meeting of the American Association for the Advancement of Science, Washington, D. C.
- Spry, K. M., & Detterman, D. K. (1991, April). *Cognitive abilities in Down Syndrome persons*. Paper presented at a Meeting of the Gatlinburg Conference on Research and Theory in Mental Retardation, Miami, FL.
- Petrill, S. A., & Detterman, D. K. (1991, June). *The effect of 'g' upon the pattern of heritabilities among specific cognitive abilities*. Paper presented at the annual meeting of the Behavior Genetics Association, St. Louis, MO.
- Detterman, D. K. (1991, May). *Perceptual aspects of Alzheimer Disease*. Part of Clinical Research Symposium to be presented at the Alzheimer Center of University Hospitals of Cleveland
- Detterman, D. K. (1991, August). *Reaction time, decision time, and movement time*. Part of a symposium presented at the annual meeting of the American Psychological Association, San Francisco.
- Petrill, S. A., Thompson, L. A., & Detterman, D. K. (1991, September). *The phenotypic and genetic relationship among general intelligence, psychometric specific cognitive abilities, & elementary cognitive abilities*. Poster presented at the Course on Methodology for Genetic Studies of Twins and Families, NATO Advanced Study Institute, Leuven, Belgium.
- Detterman, D. K. (1991, October). *The complexities of reaction time*. Invited talk at the SMART symposium, University of Toronto.

- Thompson, L. A., Petrill, S. A., and Detterman, D. K. (1992, July). *Differences in heritability across groups differing in ability, revisited*. Paper presented at Behavior Genetics Association Annual Meeting, Boulder, CO.
- Detterman, D. K. (1992, November). *Testing intelligence intelligently*. Invited presentation, Blanquerna, Barcelona, Spain.
- Detterman, D. K. (1993, January). *Intelligence and exceptional abilities: One and the same?* Invited talk at the CIBA conference on exceptional ability, London, England.
- Detterman, D. K., & Spry, K. M. (1993, March). *A cross-sectional study of aging in Down syndrome: Some cognitive measures are more affected than others*. Paper in a symposium, 'What is normal aging in adults with Down syndrome', presented at the Gatlinburg Conference on Research and Theory in Mental Retardation, Gatlinburg, TN.
- Detterman, D. K. (1994, March 20). *Cognitive development in the mentally retarded*. Invited talk at the XI Congresso Internazionale dell'Associazione Per Il Coordinamento Nazionale Insegnanti Specializzati e la Ricerca sull'Handicap, Padova, Italy.
- Detterman, D. K. (1994, March). *Education and mental retardation*. Invited keynote address presented at the Gatlinburg Conference on Research and Theory in Mental Retardation, Gatlinburg, TN.
- Kim, L. Y., Detterman, D. K., & Gilmore, G. C. (1994, March). *Contrast sensitivity in adults with Down syndrome*. Paper presented at the Gatlinburg Conference on Research and Theory in Mental Retardation, Gatlinburg, TN.
- Petrill, S.A., Luo, D., Thompson, L.A., & Detterman, D.K. (1995, June). *The relationship between elementary cognitive tasks and WIISC-R subtests: Genetic and environmental influences*. Paper presented at the Behavior Genetics Association Annual Meeting, Richmond, VA.
- Detterman, D. K. (1995, May). *How shall we study the kings of men*. Invited presentation at the Wallace National Research Symposium on Talent Development, Iowa City, IA.
- Kim, L. Y., & Detterman, D. K. (1996, March). *Contrast sensitivity in adults with Down syndrome and its effects on cognitive abilities and age*. Paper presented at the Gatlinburg Conference on Research and Theory in Mental Retardation, Gatlinburg, TN.
- Detterman, D. K. (June, 1996). *A system theory of mental retardation*. Invited presentation to the First European Colloquium on Psychological Research and Theories on Mental Retardation, Aix-en-Provence, France.
- Detterman, D. K. (August, 1996). *Motor behavior and intelligence*. Invited discussant at the Symposium on motor behavior and intelligence at the meeting of the American Psychological Association, Toronto, Canada.

- Detterman, D. K. (1996, September). *Intelligence, mental retardation, and education*. Invited address at the San Marino Conference on Mental Retardation, San Marino, San Marino.
- Detterman, D. K., Gabriel, L., & Spry, K. M. (1997, July). Down Syndrome, aging, and cognitive performance. Invited presentation to First International Conference on Genetics and Behavior, Staten Island, NY
- Gabriel, L. T., & Detterman, D. K. (1997, March). An investigation of calendar calculation using "manufactured" svants. Gatlinburg Conference on Research and Theory in Mental Retardation/Developmental Disabilities: Riverside, CA.
- Gabriel, L. T., & Detterman, D. K. (1997, May). The use of an algorithm to investigate calendar calculation. Presented at a meeting of the Midwestern Psychological Association, Chicago, IL.
- Detterman, D. K., Gabreil, L. T., & Spry, K. M. (1997, July). Down syndrome, aging, and cognitive performance: A five-year follow-up. International Conference on Mental Retardation: Genes, Brain, and Behavior.
- Detterman, D. K. (1997, August). *Presentation of the William James Award*. Presented at the annual meeting of the American Psychological Association, Chicago.
- Detterman, D. K. (1997, August). New and old definitions of mental retardation: Definition as a political statement. Invited comment presented at the annual meeting of the American Psychological Association, Chicago.
- Detterman, D. K. (1997, August). Strategies for improving mental retardation research. Invited presentation at the annual meeting of the American Psychological Association, Chicago.
- Detterman, D. K. (1997, December). Intelligence and values. The Armington Lecture. Case Western Reserve University, Cleveland, OH.
- Detterman, D. K. (1998, April). Assessing developmental change using a computerized battery of tests. Invited presentation given to E. K. Shriver Center for Mental Retardation, Waltham, MA.
- Detterman, D. K., & Ruthsatz, J. M. (1998, May). Exceptionality and individual differences. Invited presentation to the Henry B. & Jocelyn Wallace National Research Symposium on Talent Development, Cedar Rapids, IO.
- Detterman, D. K. (1999, December). Defining behavioral phenotypes.. Novartis Foundation Symposium XXX, Evolutionary psychology and intelligence. London, UK.
- Detterman, D. K. (2000, June),. A simulation of system theory. Models of Intelligence for the New Millenium, New Haven, CT.
- Detterman, D. K. (2000, August). The possibility of differentiating phenotypes in different genetic disorders of mental retardation. Psychological Theory and Research on Mental Retardation, Third European Conference, Geneva, Switzerland.

- Detterman, D. K. (2000, November). A Simulation of System Theory Reproduces Significant Attributes of *g*. International Society of Intelligence Research, Cleveland, OH.
- Luo, D., Thompson, L. A., & Detterman, D. K. (Dec, 2000). The cognitive composition of *g*: Complex cognitive processes or aggregation of elemental processes. Presented at the 1st Annual Meeting of the International Society for Intelligence Research, Cleveland, OH.
- Luo, D., Thompson, L. A., & Detterman, D. K. (Dec, 2000). On the mechanisms of elemental cognitive components in *g*. Presented at the 1st Annual Meeting of the International Society for Intelligence Research, Cleveland, OH.
- Petrill, S. A., Luo, D., Thompson, L. A., & Detterman, D. K. (Dec, 2000). Inspection time and the relationship among elementary cognitive tasks, general intelligence and specific cognitive abilities. Presented at the 1st Annual Meeting of the International Society for Intelligence Research, Cleveland, OH.
- Detterman, D. K., Petersen, E., & Frey, M. C. (Dec., 2001). Simulation of a system theory of intelligence: Critical issues. Presented at the 2nd Annual Meeting of the International Society for Intelligence Research, Cleveland, OH.
- Frey, M. C., & Detterman, D. K. (Dec., 2001). The SAT and general intelligence. Presented at the 2nd Annual Meeting of the International Society for Intelligence Research, Cleveland, OH.
- Detterman, D. K., Petersen, E., & Frey, M. C. (May, 2002). Simulation of a system theory of mental retardation. Psychological Theory and Research on Mental Retardation and Cognitive Developmental Disabilities, Fourth European Conference, Catania, Italy.
- Rohde, T., Tiu, R., Detterman, D. K., & Thompson, L. A. (July, 2002). Are cognitive components related to “*g*” differentially heritable across ability levels? Behavior Genetics Association 32nd Annual Meeting, Keystone, CO.
- Luo, D., Thompson, L. A., & Detterman, D. K. (Dec, 2002). The principle governing the between-age and within-age *g* variability. Presented at the 3rd Annual Meeting of the International Society for Intelligence Research, Nashville, TN.
- Luo, D., Thompson, L. A., & Detterman, D. K. (Dec, 2002). The basic ingredients of *g*: Processing speed, working memory, and long-term memory. Presented at the 3rd Annual Meeting of the International Society for Intelligence Research, Nashville, TN.
- Frey, M. C. & Detterman, D. K. (Dec., 2002). Task complexity in stimulus discrimination. Presented at the 3rd Annual Meeting of the International Society for Intelligence Research, Nashville, TN.
- Gabriel, L. & Detterman, D. K. (May, 2004), D. K. Correlations of IQ and basic cognitive tasks between persons with Down syndrome and their sibs. Presented at the 4th European Conference on Psychological Theory and Research on Mental Retardation and Cognitive Developmental Disabilities, Lille, France.

Frey, M. C. & Detterman, D. K. (December, 2004). Another look at task complexity: Response complexity and g-loadings. Presented at the International Society for Intelligence Research, New Orleans, LA.

Gartman, K., Frey, M. C., & Detterman, D. K. (December, 2004). ACT and cognitive abilities. Presented at the International Society for Intelligence Research, New Orleans, LA.

Detterman, D. K. (September, 2005). Spearman's g: Past, present, and Future. Invited presentation to the Galton Institute.

Detterman, D. K. (October, 2005). Binet's unfulfilled wish. Invited presentation at L'intelligence de l'enfant: 100 ans après Binet, Paris, France.

Detterman, D. K. (August, 2007). Why mental retardation and intellectual disabilities are important and why nobody cares. Invited address for Doll Award, APA, Division 33, San Francisco, CA.

Detterman, D. K. (September, 2008). General intelligence, variability, and improving the brain. Invited address at How We Can Improve the Brain, Banbury Center, Cold Spring Harbor Laboratory.

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Detterman, D. K., & Ellis, N. R. (1970). Primary and secondary memory. *Quarterly Journal of Experimental Psychology*, **22**, 484-493.

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