

CURRICULUM VITAE

Name: Lee Anne Thompson

Title: Professor

Address

Department of Psychological Sciences
Case Western Reserve University
(216) 368-6477
(216) 368-4891 (FAX)
lee.thompson@case.edu

Education

University of Colorado, Boulder	Ph.D.	1987
University of Colorado, Boulder	M.A.	1985
Case Western Reserve University, Cleveland	B.A.	1982

Research and/or Professional Experience

2011-	Chair, Department of Psychological Sciences, Case Western Reserve University
2010-2011	Chair, Department of Psychology, Case Western Reserve University
2010-2011	Interim Chair, Department of Communication Sciences, Case Western Reserve University
2008-	Professor, Case Western Reserve University
1995-2008	Associate Professor, Case Western Reserve University
2005-2007	Armington Associate Professor, Case Western Reserve University
2002-2005	Co-Director of SAGES
1996-1997	Postdoctoral Fellow, Department of Epidemiology & Biostatistics, Case Western Reserve University
1989-1995	Assistant Professor, Case Western Reserve University
1987-1989	Visiting Assistant Professor, Case Western Reserve University
1982-1987	NIMH Predoctoral Fellow, University of Colorado

Memberships

Behavior Genetics Association
- Chair Membership Committee (1992-1995)
Association for Psychological Science
Society for Research in Child Development

Journal Articles and Book Chapters

1. Thompson, L. A., Plomin, R., & DeFries, J. C. (1985). Infant Bayley factors and adult general and specific cognitive abilities in adoptive and nonadoptive families. *Intelligence*, 9, 1-13.
2. Thompson, L. A., Fulker, D. W., DeFries, J. C., & Plomin, R. (1986). Multivariate genetic analysis of "environmental influences on infant cognitive development. *British Journal of Developmental Psychology*, 4, 347-353.
3. Plomin, R., & Thompson, L. A. (1987). Life-span development and behavioral genetics. In P. B. Baltes, D. L. Featherman, & R. M. Lerner (Eds.), *Life-span development and behavior* (Vol. 8; pp. 1-31). Hillsdale, NJ: Erlbaum.
4. Thompson, L. A., Fulker, D. W., DeFries, J. C., and Plomin, R. (1988). Multivariate analysis of cognitive and temperament measures in 24-month-old adoptive and nonadoptive sibling pairs. *Personality and Individual Differences*, 9(1), 95-100.
5. Thompson, L. A., & Plomin, R. (1988). The Sequenced Inventory of Communication Development: A parent-offspring adoption study of 2- and 3-year-olds. *International Journal of Behavioral Development*, 11(2), 219-231.
6. Thompson, L. A. (1989). Developmental behavioral genetic research on infant information processing: Detection of continuity and change. In S. Doxiadis (Ed.) *Early Influences Shaping the Individual* (67-83). New York: Plenum Press.
7. Thompson, L. A. (1990). Genetic contributions to early individual differences. In J. Colombo & J. Fagan (Eds.), *Individual differences in infancy: Reliability, stability, and prediction*. Hillsdale, NJ: Erlbaum.
8. Detterman, D. K., Thompson, L. A., & Plomin, R. (1990). Differences in heritability across groups differing in ability. *Behavior Genetics*, 20, 369-384.
9. DiLalla, L. F., Thompson, L. A., Plomin, R., Phillips, K., Fagan, J. F., Haith, M. M., Cyphers, L. H., & Fulker, D. W. (1990). Infant predictors of preschool and adult IQ: A study of infant twins and their parents. *Developmental Psychology*, 26, 759-769.
10. Thompson, L. A., Detterman, D. K., & Plomin, R. (1991). Associations between cognitive abilities and scholastic achievement: Genetic overlap but environmental differences. *Psychological Science*, 2, 158-165.
11. Thompson, L. A., Fagan, J. F., & Fulker, D. W. (1991). Longitudinal prediction of specific cognitive abilities from infant novelty preference. *Child Development*, 62, 530-538.
12. Lewis, B. & Thompson, L. A. (1992). Developmental phonology disorder in twins. *Journal of Speech and Hearing Research*, 35, 1086-1094.

13. Thompson, L. A. (1993). Genetic influences on intelligence in infancy and childhood (pp. 95-138). In P. A. Vernon (Ed.), *Biological approaches to the study of human intelligence*.
14. Thompson, L. A., Detterman, D.K., & Plomin, R. (1993). Differential Heritabilities Across the IQ Range: Revisited. *Behavior Genetics*, 23, 331-336.
15. *Petrill, S., & Thompson, L. A. (1993). The phenotypic and genetic relationships among measures of cognitive ability, temperament and scholastic achievement. *Behavior Genetics*, 23, 511-518.
16. Plomin, R., & Thompson, L. A. (1993). Genetics and high cognitive ability. In K. Ackrill (Ed.), *The origins and development of high ability* (pp. 67-84). London, Ciba Foundation..
17. Thompson, L. A. (1994). Longitudinal prediction from infant novelty preference to school-age cognitive abilities, pp. 77-85. In R. Plomin, J. C. DeFries, & D. W. Fulker (Eds.), *Colorado Adoption Project: A 10-Year Longitudinal Study*. Cambridge: Blackwell.
18. Plomin, R., McClearn, G. E., Smith, D., Vignetti, S., Chorney, M. J., Kasarda, S., Thompson, L. A., Detterman, D. K., Daniels, J. Owen, M. McGuffin, P. (1994). DNA Markers Associated with High versus Low IQ: The IQ QTL Project. *Behavior Genetics*, 24, 107-118.
19. *Petrill, S. & Thompson, L. A. (1994). The effect of gender upon heritability and common environmental estimates in measures of scholastic achievement. *Personality and Individual Differences*, 16, 631-640.
20. *Thapar, A., Petrill, S. A., & Thompson, L. A. (1994). The heritability of memory in the Western Reserve Twin Project. *Behavior Genetics*, 24, 155-160.
21. Thompson, L. A. (1994). Behavioral genetics and intelligence. *International Pediatrics*, 9, 5-10.
22. Thompson, L. A. & Petrill, S. A. (1994). Intelligence and scholastic achievement. *International Pediatrics*, 9, 25-29.
23. *Luo, D., Petrill, S., & Thompson, L. A. (1994). Hierarchical factor analysis of genetic and environmental influences on specific cognitive abilities. *Intelligence*, 18, 335-347.
24. Daniels, J., Owen, Michael J., McGuffin, P, Thompson, L. A., Detterman, D.K.,1994 Chorney, M., Chorney, K., Smith D., Skuder, P., Vignetti, S., McClearn, G. E., and Plomin, R. (1994). IQ and variation in the number of Fragile CGC repeats: No association in a normal sample. *Intelligence*, 19(1), 45-50.
25. Haacke, E. M., Hopkins, A., Lai, S., Friedman, L., Meltzer, H., Hedera, P., Friedland, R., Klein, S., Thompson, L., Detterman, D. K., Tkach, J., Lewin, J., & Buckley, P. (1994). 2D and 3D high resolution gradient echo functional imaging of the brain: Venous contributions to signal in motor cortex studies. *NMR in Biomedicine*, 6, 54-62.

26. Ibatoullina, A., Thompson, L. A., & Vardaris, R. (1994). Genetic and environmental influences on electroencephalographic coherence. *Intelligence*, 65-78.
27. *Petrill, S., Thompson, L. A., & Detterman, D. K. (1995). Genetic and Environmental Influences on Elementary Cognitive Processes. *Behavior Genetics*, 25, 199-209.
28. Skuder, P., Plomin, R., McClearn, G. E., Smith, D., Vignetti, S., Chorney, M. J., Chorney, K., Kasarda, S., Thompson, L. A., Detterman, D. K., Petrill, S. A., Daniels, J., Owen, M., McGuffin, P. (1995). A polymorphism in mitochondrial DNA associated with IQ? *Intelligence*, 21, 1-12.
29. Plomin, R., McClearn, G. E., Smith, D., Skuder, P., Vignetti, S., Chorney, M. J., Chorney, K., Kasarda, S., Thompson, L. A., Detterman, D. K., Petrill, S. A., Daniels, J., Owen, M., McGuffin, P. (1995). Allelic associations between 100 DNA markers and high versus low IQ. *Intelligence*, 21, 31-48.
30. Edelbrock, C., Rende, R., Plomin, R., & Thompson, L. A. (1995). A twin study of competence and problem behavior in childhood and early adolescence. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, 36 (5), 775-785.
31. Thompson, L. A., & Plomin, R. (1996). Genetic Influence on Cognitive Ability. In K. A. Heller, F. J. Monks, & A. H. Passow (Eds.), *International Handbook of Research on Giftedness and Talent*. Oxford: Pergamon Press.
32. Thompson, L. A. (1996) Behavioral genetics and mental retardation. In W. E. MacLean (Ed.) *Handbook of Mental Deficiency, Psychological Theory and Research, Third Ed* (pp. 99-114).
33. Thompson, L. A. (1996) Where are the environmental influences on IQ? In D.K. Detterman (Ed.) *Current Topics in Human Intelligence*.
34. *Petrill, S. A., Thompson, L. A., & Detterman, D. K. (1996). The independent phenotypic prediction of general intelligence by elementary cognitive tasks: Genetic and common environmental influences. *Behavior Genetics*, 26(2), 135-148..
35. Lewin, J. S., Friedman, L., Wu, D., Miller, D. A., Thompson, L. A., Klein, S. K., Wise, A. K., Hedera, P., Buckley, P., & Friedland, R. P. (1996). Cortical localization of human sustained attention: Detection with functional MR using a visual vigilance paradigm. *Journal of Computer Assisted Tomography*.
36. *Petrill, S. A., Plomin, R., McClearn, G. E., Smith, D. K., Vignetti, S., Chorney, M. J., Chorney, K., Thompson, L. A., Detterman, D. K., Benbow, C., Lubinski, D., Daniels, J., Owen, M., & McGuffin, P. (1996). DNA markers associated with general and specific cognitive abilities. *Intelligence*, 23, 191-204.
37. Detterman, D. K., & Thompson, L. A. (1997). IQ, schooling, and developmental disabilities: What's so special about special education? *American Psychologist*, 52(10),

38. *Petrill, S. A., Plomin, R., McClearn, G. E., Smith, D. K., Vignetti, S., Chorney, M. J., Chorney, K., Thompson, L. A., Detterman, D. K., Benbow, C., Lubinski, D., Daniels, J., Owen, M., & McGuffin, P. (1997). No association between general cognitive ability and the A1 Allele of the D2 dopamine receptor gene. *Intelligence*, 27(1), 29-31.
39. *Petrill, S. A., Ball, D., Hill, L., Plomin, R., McClearn, G. E., Smith, D., Chorney, K., Chorney, M., Seese, N., Detterman, D. K., Thompson, L. A., Benbow, C., Lubinski, D., Daniels, J., Owen, M., & McGuffin, P. (1997). Failure to replicate a QTL association between a DNA Marker (EST00083) and IQ. *Intelligence*, 27(3), 179-184.
40. Ball, D., Hill, L., Eley, T.C., Chorney, M. J., Chorney, K., Thompson, L. A., Detterman, D. K., Benbow, C., Lubinski, D., Owen, M., McGuffin, P., & Plomin, R. (1998). Dopamine markers and general cognitive ability. *Cognitive Neuroscience and Neuropsychology*.
41. Chorney, M. J., Chorney, K., Seese, N., Owen, M. J., Daniels, J., McGuffin, P., Thompson, L. A., Detterman, D. K., Benbow, C., Lubinski, D., Eley, T. C., & Plomin, R. (1998). A quantitative trait locus (QTL) associate with cognitive ability in children. *Psychological Science*, 9(3), 159-166.
42. Detterman, D. K., and Thompson, L. A. (1998). They doth protest too much. *American Psychologist*, 53(10), 1162-1163.
43. Hill, L., Asherson, P., Ball, D., Eley, T., Craig, I., Fisher, P.J., Turic, D., McGuffin, P., Owen, M.J., Chorney, K., Chorney, M. J., Benbow, C., Lubinski, D., Thompson, L. A., and Plomin, R. (1999). DNA pooling and dense marker maps: A systematic search for genes for cognitive ability. *NeuroReport*, 10, 843-848.
44. Thompson, L. A. & Plomin, R. (2000). Genetic tools for exploring causes of individual differences in intelligence. In K. A. Heller, F. J. Monks, & A. H. Passow (Eds.), *International Handbook of Research and Development of Giftedness and Talent*, 2nd Edition.
45. Plomin, R., Hill, L., Craig, I. W. McGuffin, P., Purcell, S., Sham, P., Lubinski, D., Thompson, L. A., Fisher, P. J., Turic, D., & Owen, M. J. (2001). A genome-wide scan of 1842 DNA markers for allelic associations with general cognitive ability: a five-stage design using DNA pooling and extreme selected groups. *Behavior Genetics*, 31(6), 497-509.
46. Petrill, S. A., Luo, D., Thompson, L. A., & Detterman, D. K. (2001). Inspection time and the relationship among elementary cognitive tasks, general intelligence and specific cognitive abilities. *Intelligence*, 29(6), 487-496.
47. Luo, D., Thompson, L. A., & Detterman, D. K. (2003). Phenotypic and behavioral genetic covariation between elemental cognitive components and scholastic measures. *Behavior Genetics*, 33(3), p.221-246.
48. *Tiu, R., Thompson, L. A., & Lewis, B. (2003). Speed of processing, reading, and general intelligence. *Journal of Learning Disabilities*, 36(5), p.424-436.

49. Luo, D., Thompson, L. A., & Detterman, D. K. (2003). The causal factor underlying the correlation between psychometric g and scholastic performance. *Intelligence*, 31(1), p.67-83.
50. Deater-Deckard, K, Petrill, S. A., Thompson, L.A., & DeThorne, L. S. (2005). A cross-sectional behavioral genetic analysis of task persistence. *Developmental Science*, 8(3), F21-F26.
51. Luo, D. Thompson, L. A., Detterman, D. K. (2006). The criterion validity of tasks of basic cognitive processes. *Intelligence*, 34(1), p.79-120.
52. Petrill, S. A., Deater-Deckard, K., Thompson, L. A., & DeThorne, L. S. (2006). Reading skills in early readers: Genetic AND shared environmental influences. *Journal of Learning Disabilities*, 39(1), 48-55.
53. Petrill, S. A., Deater-Deckard, K., Thompson, L. A., DeThorne, L. S., & Schatschneider, C. (2006). Genetic and Environmental Effects of Serial Naming and Phonological Awareness on Early Reading Outcomes, *Journal of Educational Psychology*. 98(1), 112-121.
54. Deater-Deckard, K., Petrill, S. A., Thompson, L. A., & DeThorne, L. S. (2006). A longitudinal behavioral genetic analysis of task persistence. *Developmental Science* 9(5), pp 498–504
55. DeThorne, L. A., Hart, S. A., Petrill, S. A., Deater-Deckard, K., Thompson, L. A., Schatschneider, C., & Davison, M. D. (2006). Children's History of Speech-Language Difficulties: Genetic Influences and Associations with Reading-related Measures. *Journal of Speech, Language and Hearing Research*
56. Deater-Deckard, K., Petrill, S. A., & Thompson, L. A. (2007). Anger/frustration, task persistence, and conduct problems in childhood: a behavioral genetic analysis. *J Child Psychology & Psychiatry*, 48(1), 80-87.
57. *Rohde, T. E., & Thompson, L. A. (2007). Predicting academic achievement with cognitive ability. *Intelligence*, 35, 83-92.
58. *Hart, S.A., Petrill, S.A., Deater-Deckard, K. & Thompson, L.A. (2007). SES and CHAOS as environmental mediators of cognitive ability: A longitudinal analysis. *Intelligence*, 35(3), 233-242.
59. Petrill, S. A., Deater-Deckard, K., Thompson, L., Schatschneider, C., DeThorne, L., & Vandenberg, D. W. (2007). Longitudinal genetic analysis of early reading: The Western Reserve Reading Project. *Reading and Writing*, 20(1-2), 127-146.
60. Deater-Deckard, K., Petrill, S. A., & Thompson, L. A. (2007). Anger/frustration, task persistence, and conduct problems in childhood: a behavioral genetic analysis. *J Child Psychology & Psychiatry*, 48(1), 80-87.

61. Deater-Deckard, K., Mullineaux, P., Petrill, S. A., & Thompson, L. A. (2008). Effortful control, surgency, and reading skills in middle childhood. *Reading and Writing, 22*, 107-116.
62. DeThorne, L.S., Petrill, S.A., *Hart, S.A., Channell, R. W., Campbell, R.J., Deater-Deckard, K., Thompson, L.A. & Vandenberg, D.J. Genetic Effects on Children's Conversational Language Use. *Journal of Speech, Language, and Hearing Research* Vol.51 423-435 (2008).
63. *Hart, S.A., Petrill, S.A., Thompson, L.A., & Plomin, R. (2009). The ABC's of math: A genetic analysis of mathematics and its links with reading ability and general cognitive ability. *Journal of Educational Psychology, 101*(2), 388-402.
64. Deater-Deckard, K., Mullineaux, P.Y., Beekman, C., Petrill, S. A., Schatschneider, C., & Thompson, L.A. Conduct problems, IQ, and household chaos: a longitudinal multi-informant study. *Journal of Child Psychology and Psychiatry* 50:10 (2009), pp 1301-1308.
65. *Hart, S. A., Petrill, S. A., Thompson, L. A. & Plomin, R. (2010). A factorial analysis of timed and untimed measures of math. *Learning and Individual Differences, 20*(2), 63-69.
66. Mullineaux, P., Deater-Deckard, K., Petrill, S. A., Thompson, L. A., & DeThorne, L. S. (2009). Temperament in Middle Childhood: A Behavioral Genetic Analysis of Fathers' and Mothers' Reports. *Journal of Research in Personality, 43*(5), 737-746.
67. Deater-Deckard, K., Sewell, M. D., Petrill, S. A., & Thompson, L. A. (2010). Maternal working memory and reactive negativity in parenting. *Psychological Science, 21*(1), 75-79.
68. Thompson, L. A., & *Oehlert, J. (2009). The Etiology of Giftedness. *Learning and Individual Differences*.
69. *Hart, S. A., Petrill, S. A., DeThorne, L.S., Deater-Deckard, K., and Thompson, L. A. (2009). *An Environmental Mediation on the Stability of Expressive Vocabulary: Measuring the Home Literacy Environment in a Genetically Sensitive Design*. *Journal of Child Psychology and Psychiatry, 50*(8), 911-919.
70. Becker-Blease*, K. A., Deater-Deckard, K., Petrill, S. A., Thompson, L. A., & DeThorne, L. (2009). *Dissociative behaviors in young children: A genetic analysis*. Manuscript submitted for publication.
71. Petrill, S. A., Kovas, Y., *Hart, S. A., Thompson, L. A., & Plomin, R. (2009). The genetic and environmental etiology of high math performance in 10-year-old twins. *Behavior Genetics, 39*(4), 371-379.
72. Deater-Deckard, K., *Wang, Z., Kim, J., DeThorne, L. S., Thompson, L. A., & Petrill, S.A. (2010). Fear, Frustration/Anger, and Overt Aggression in Childhood. *Journal of Personality, 78*(3), 991-1010.

73. Harlaar*, N., Cutting, L., Deater-Deckard, K., DeThorne, L. S., Justice, L. M., Schatschneider, C., et al. (2010). Predicting individual differences in reading comprehension: A twin study. *Annals of Dyslexia*, 60(2), 265-288.
74. Hart, S. A., Petrill, S. A., Willcutt, E., Thompson, L. A., Schatschneider, C., Deater-Deckard, K., et al. (2010). Exploring how symptoms of attention-deficit/hyperactivity disorder are related to reading and mathematics performance: General genes, general environments. *Psychological Science*, 21(11), 1708-1715.
75. Haworth, C. M. A., Wright, M. J., Martin, N. W., Martin, N. G., Boomsma, D. I., Bartels, M., et al. (2009). A twin study of the genetics of high cognitive ability selected from 11,000 twin pairs in six studies from four countries. *Behavior Genetics*, 39(4), 359-370
76. Haworth, C. M. A., Wright, M. J., Luciano, M., Martin, N. G., de Geus, E. J. C., van Beijsterveldt, C. E. M., et al. (2010). The heritability of general cognitive ability increases linearly from childhood to young adulthood. *Molecular Psychiatry*, 15(11), 1112-1120
77. Petrill, S. A., Hart*, S. A., Harlaar*, N., Logan*, J., Justice, L. M., Schatschneider, C., et al. (2010). Genetic and environmental influences on the growth of early reading skills. *Journal of Child Psychology and Psychiatry*, 51(6), 660-667.
78. Deater-Deckard, K., Beekman, C., Wang*, Z., Kim, J., Petrill, S., Thompson, L., et al. (2010). Approach/positive anticipation, frustration/anger, and overt aggression in childhood. *Journal of Personality*, 78(3), 991-1010.
79. Deater-Deckard, K., Sewell, M. D., Petrill, S. A., & Thompson, L. A. (2010). Maternal working memory and reactive negativity in parenting. *Psychological Science*, 21(1), 75-79.
80. Harlaar*, N., Cutting, L., Deater-Deckard, K., DeThorne, L. S., Justice, L. M., Schatschneider, C., et al. (2010). Predicting individual differences in reading comprehension: A twin study. *Annals of Dyslexia*, 60(2), 265-288.
81. Hart*, S. A., Petrill, S. A., Willcutt, E., Thompson, L. A., Schatschneider, C., Deater-Deckard, K., et al. (2010). Exploring how symptoms of attention-deficit/hyperactivity disorder are related to reading and mathematics performance: General genes, general environments. *Psychological Science*, 21(11), 1708-1715.
82. Harlaar* N, Deater-Deckard K, Thompson LA, Dethorne LS, Petrill SA (2011) Associations between reading achievement and independent reading in early elementary school: a genetically informative cross-lagged study. *Child Development* , 82 (6), pp. 2123-37.
83. Petrill, S. A., Logan*, J., Hart*, S. A., Sechrist, P., Thompson, L., Kovas, Y., & Plomin, R. (2012). Math fluency is etiologically distinct from untimed math performance, decoding fluency, and untimed reading performance: Evidence from a twin study. *Journal of Learning Disabilities*, 45(4) 371–381.

84. Chooi*, W T & Thompson, L. A. (2012). Working Memory Training Does Not Improve Intelligence in Healthy Young Adults. *Intelligence*, 40, 531-542.
85. Logan*, J, Petrill, S.A., Hart, S. A., Thompson, L.A., Deater-Deckard, K., DeThorne,L.S., and Schatschneider, C. (2012). Heritability across the distribution: An application of quantile regression. *Behavior Genetics*, 42(2), 256-267.
86. Wang*, Z., Deater-Deckard, K., Petrill, S.A., & Thompson, L.A. (2012). Externalizing problems, attention regulation, and household chaos: A longitudinal behavioral genetic study. *Development and Psychopathology*, 24 (3), 755-769.
87. Wang*, Z., Deater-Deckard, K., Cutting, L., Thompson, L.A., & Petrill, S.A., & (2012). Working memory and parent-rated components of attention in middle childhood: A behavioral genetic study. *Behavior Genetics*, 45, 4, 371-381.
88. Wang*, Z., Hart, S., Kovas, Y., Lukowski*, S., Soden*, B., Thompson, L., Plomin, R., McLoughlin, G, Barlett, C., Lyons, I, & Petrill, S. A. (2014). Who's afraid of math? Two sources of genetic variance for math anxiety. *Journal of Child Psychology and Psychiatry*, 55, 1056-1064.
89. Frazier, T. W., Thompson, L., Youngstrom, E. A., Law, P., Hardan, A. Y., Eng, C., & Morris, N. (2014). A Twin Study of Heritable and Shared Environmental Contributions to Autism . *Journal of Autism and Developmental Disorders*, 44(8), 2013-2025 .
90. Lukowski, S*, Soden, B*., Hart, S., Thompson, L. A., Kovas, Y., & Petrill, S. A. (2014). Etiological Distinction of Working Memory Components in Relation to Mathematics. *Intelligence*, 47, 54-62.
91. Chooi, W. T. *, Long, H. E., & Thompson, L. A. (2014). The Sternberg Triarchic Abilities Test (Level-H) is a measure of g. *Journal of Intelligence*, 2, 56-67.
92. Soden, B*., Christopher, M., Hulslander, J., Olson, R., Cutting, L, Keenan, J., Thompson, S., Wadsworth S., Willcutt, E., & Petrill, S. (2015). *Longitudinal Stability in Reading Comprehension is Largely Heritable from Grades 1 to 6. Plos One* , 10 (1), pp. e0113807.
93. Kovas, Y., Gabrielle Garon-Carrier⁵, Michel Boivin^{5,19}, Stephen A. Petrill⁶, Robert Plomin³, Sergey B. Malykh^{1,4}, Frank Spinath⁷, Kou Murayama⁸, Juko Ando⁹, Olga Y. Bogdanova¹, Mara Brendgen¹⁰, Ginette Dionne⁵, Nadine Forget-Dubois⁵, Eduard V. Galajinsky¹, Juliana Gottschling⁷, Frédéric Guay⁵, Jean-Pascal Lemelin¹¹, Jessica A. R. Logan¹², Shinji Yamagata¹³, Chizuru Shikishima⁸, Birgit Spinath¹⁴, Lee A. Thompson, Tatiana N. Tikhomirova, Maria G. Tosto, Richard Tremblay, Frank Vitaro (2015). Why Children Differ in Motivation to Learn: Insights from over 13,000 Twins from 6 Countries. *Journal of Personality and Individual Differences*, 80, 51-63.
94. Logan*, J. A. R., Hart, S. A., Cutting, L., Deater-Deckard, K., Schatschneider, C., Thompson, L. A., & Petrill, S. A. (in press) Genetic and Environmental Etiology of Latent Quadratic Growth in Reading Skills. *Child Development*.

95. Hart, S., Logan*, J., Thompson, L. A., Kovas, Y., McLoughlin, G., & Petrill, S. (in press). A latent profile analysis of mathematics achievement, numerosity and mathematics anxiety in twins. *Journal of Educational Psychology*.
96. Wang, Z.*, Soden, B.*, Deater-Deckard, K., Lukowski, S*, Wilcutt, E., Thompson, L.A., & Petrill, S.A. (in press). Development in Reading and Math in Children from Different SES Backgrounds: The Moderating Role of Child Temperament. *Developmental Science*.
97. Wang Z*, Lukowski SL*, Hart SA, Lyons IM, Thompson LA, Kovas Y, Mazzocco MM, Plomin R, Petrill SA. (2015). [Is Math Anxiety Always Bad for Math Learning? The Role of Math Motivation](#). *Psychol Sci*. 2015 Oct 30. pii: 0956797615602471. [Epub ahead of print] PubMed PMID: 26518438.
98. Wang, Z., Soden, B., Deater-Deckard, K.B., Lukowski, S. L., Schenker, V. J., Willcutt, E., Thompson, L. A., & Petrill, S. A. (in press). Development in Reading and Math in Children from Different SES Backgrounds: The Moderating Role of Child Temperament. *Developmental Science*.
99. Lukowski, S. L.*, DiTrapani, J.B., Jeon, M., Wang, Z*, Schenker, V. J*, Doran M.M.*, Hart, S., Mazzocco, M. M, Willcutt E., Thompson L. A., & Petrill, S. A. (2015). *Multidimensionality in the Measurement of Math-Specific Anxiety and its Relationship with Mathematical Performance*. Manuscript submitted for publication.

*Indicates graduate student or post-doc author

Book Reviews

Thompson, L. A. (1992). [Review of developmental behavioral genetics: Neural, biometrical, and evolutionary approaches]. *The Journal of Nervous and Mental Disease*, 180 (4), 274.

Thompson, L. A. (2000). [Review of Neurobehavioral Genetics: Methods and Applications]. *Behavioral Genetics*, 30(1), 83.

Grants

- | | | |
|----|---|---|
| 1. | Funding Agency:
I.D. No.:
Title:

Principal Investigator:
Percent Appointment on Project:14% (summer)
Dates entire project:
Annual Direct Costs: | NICHHD
HD21947-01
Mental retardation, cognition,
and achievement in twins.
D. K. Detterman

7/1/87-6/31/90
\$100,571 |
| 2. | Funding Agency: | NIMH |

- I.D. No.: MH 46512-01
 Title: Temperament and early cognitive processes
 Principal Investigator: L. A. Thompson
 Percent Appointment on Project: 14% (summer)
 Dates entire project: 4/1/90-9/30/92
 Annual Direct Costs: \$47,301
3. Funding Agency: CWRU (RIG)
 I.D. No.: N/A
 Title: Elementary Cognitive Processes in 3-Year-Old Children
 Principal Investigator: L. Thompson
 Dates entire project: 9/1/90 - 9/30/92
 Annual Direct Costs: \$4,696 (no salary support)
4. Funding Agency: Armington Program
 I.D. No.: N/A
 Title: A Family Study of Behavioral Inhibition in Infancy
 Principal Investigator: L. Thompson
 Dates entire project: 4/9/91 - 4/30/93
 Annual Direct Costs: \$3,500 (no salary support)
5. Funding Agency: NICHD
 I.D. No.: RO1-HD27694-01A1
 Title: Cognitive Development in Children: Genetic Markers
 Principal Investigator: L. Thompson (subcontract)
 R. Plomin PI
 Percent Appointment on Project: 20% AY, 1 mo. summer
 Dates entire project: 9/1/91-8/31/94
 Annual Direct Costs: \$89,814 (subcontract)
6. Funding Agency: NICHD
 I.D. No.: RO1-HD27694-01A1
 Title: Cognitive Development in Children: Genetic Markers
 Principal Investigator: L. Thompson (subcontract)
 R. Plomin PI
 Percent Appointment on Project: 1 mo. summer
 Dates entire project: 9/1/94-8/31/97
 Annual Direct Costs: \$32,798 (subcontract)
7. Funding Agency: CWRU (RIG)
 I.D. No.: N/A
 Title: Psychometric and Imaging Validation of Frontal Lobe Skills
 Principal Investigator: L. Thompson
 Dates entire project: 8/1/94 - 7/31/95
 Annual Direct Costs: \$4,125 (no salary support)
8. Funding Agency: Institute of Psychiatry, London, U.K.
 I.D. No.: N/A
 Title: Genetic Markers for Cognitive Ability
 Principal Investigator: L. Thompson

- Dates entire project: 1/1/99- 12/31/00
Annual Direct Costs: \$10,000 (no salary support)
9. Funding Agency: Children's Research Foundation Faculty Fund
I.D. No.: N/A
Title: Family Influences on Behavior in Tourette Syndrome
Principal Investigator: S. Klein and L. Thompson
Dates entire project: 7/1/00-6/30/01
Annual Direct Costs: \$18,832 (no salary support)
10. Funding Agency: National Institutes of Child Health/Human Dev.
I.D. No.: HD07176021A1
Title: Mental retardation research training in psychology
Principal Investigator: D. K. Detterman
Dates entire project: 7/1/00-6/30/05
Annual Direct Costs: \$191,631 (no salary support)
11. Funding Agency: National Institutes of Child Health/Human Dev.
I.D. No.: HD38075-01A2
Title: Environmental influence on early reading: A twin study
Principal Investigator: L. Thompson (subcontract) S. Petrill PI
Dates entire project: 4/1/02-3/21/06
Annual Direct Costs: \$92,036 (subcontract)
12. Funding Agency: National Institutes of Child Health/Human Dev.
I.D. No.: HD046167
Title: Genetics of general and specific math disabilities
Principal Investigator: L. Thompson (subcontract) S. Petrill PI
Dates entire project: 9/25/03-7/31/07
Annual Direct Costs: \$121,594 (subcontract)
13. Agency: National Science Foundation/ Case Western Reserve University
I.D. No.: SBE-0245054
Title: NSF ADVANCE Institutional Transformation Grant
Principal Investigator: L. Thompson, PI
Dates entire project: 6/1/04-5/31/05
Annual Direct Costs: \$15,800
14. Funding Agency: National Institutes of Child Health/Human Dev.
I.D. No.: HD38075-01A2
Title: Environmental influence on early reading: A twin study
Principal Investigator: L. Thompson (subcontract) S. Petrill PI
Dates entire project: 6/1/06-3/31/11
Annual Direct Costs: \$166,815 (subcontract)
15. Funding Agency: National Institutes of Child Health/Human Dev.
I.D. No.: R01HD059215-01
Title: Mathematical Cognition and Specific Learning Disabilities
Principal Investigator: L. Thompson (subcontract) S. Petrill PI
Dates entire project: 1/1/09-12/31/12
Annual Direct Costs: \$63,504 (subcontract)

16. Funding Agency: National Institutes of Child Health/Human Dev.
I.D. No.: HD38075-01A2 (competing continuation)
Title: Environmental influence on early reading: A twin study
Principal Investigator: L. Thompson (subcontract) S. Petrill PI
Dates entire project: 6/1/11-5/31/16
Annual Direct Costs: \$ 273,345 (subcontract)
17. Funding Agency: National Institutes of Child Health/Human Dev.
I.D. No.: R24HD075460-01
Title: Neurobiological Underpinnings of Math and Reading Comorbidity: A Twin Study
Principal Investigator: L. Thompson (subcontract) S. Petrill PI
Dates entire project: 9/1/12-8/31/16
Annual Direct Costs: \$223,727 (subcontract)

Awards

- Received a \$10,000 CWRU grant to improve graduate student recruitment into Experimental Psychology with an emphasis on minority recruitment (1990)
- Selected as a Lilly Endowment Teaching Fellow for the 1992-'93 academic year
- Received W. P. Jones Faculty Development Award in the amount of \$500.00 to attend Cleveland Clinic Imaging Symposium
- Selected to represent the Department of Psychology in a program funded by the Cleveland Foundation with the goal of integrating the Electronic Learning Environment into undergraduate teaching in the social sciences
- Sigma Nu Fraternity's Annual Award for Excellence in Teaching, 1999.
- Mortar Board Top Prof, 2002
- Received \$16,800 from the Graduate School to fund graduate student training in advanced methodology, 2004-2006
- Northeast Ohio Council on Higher Education Award for Teaching Excellence, 2005
- Armington Associate Professor 2005-2007
- Faculty of 1000 Award - Rutherford H, Mayes L: "This is one of the first empirical reports that demonstrates a relationship between cognitive control..." Evaluation of: [Deater-Deckard K et al. Maternal working memory and reactive negativity in parenting. Psychol Sci. 2010 Jan; 21(1):75-9; doi: 10.1177/0956797609354073]. Faculty of 1000, 08 Nov 2011. F1000.com/13360066#eval14730200
- McGraw-Hill Excellence in Teaching First-Year Seminars Award, 2013

Journal Reviews

Intelligence, Editorial Board (2000-2014)

Behavior Genetics, Editorial Board

Monographs of the Society of Research in Child Development, Consulting Editor, 1996

Occasional Reviewer:

Psychological Science

Infant Behavior and Development

Developmental Psychology

Journal of Pediatric Psychology

Psychological Bulletin

Neuropsychiatric Genetics

Child Development

Journal of Experimental Child Psychology

Journal of Personality and Social Psychology:

Personality Processes and Individual Differences

American Journal of Mental Retardation

Journal of Individual Differences and Learning

Courses Taught

undergraduate:

General Psychology

Child Psychology

Introduction to Behavior Genetics

University Seminar – Genes, Environment and Behavior

Quantitative Methods

First Seminar – Life of the Mind

Capstone Seminar

graduate:

Behavior Genetics

Developmental Behavior Genetics

Cognitive Neuropsychology

Teaching Psychology

Graduate Students

Name	Date Entered	Date Degree Completed	Degree Completed
Amy Lauderback Lee	8/87	5/89 5/92	M.A. Ph.D.
Marcia Lewis	8/87	5/89 1/93	M.A. Ph.D.
Suzanne Powell	8/91	5/93	Ph.D.
Stephen Petrill	8/90	8/94	Ph.D.

Sheri Young	8/91	8/95	Ph.D.
Susan Klein	8/92	8/95	Ph.D.
Rolando Tiu	8/98	7/01 5/03	M.A. Ph.D.
Heidi Braunschweig	8/99	7/03	Ph.D.
Treena Rohde	8/01	1/04 9/07	M.A. Ph.D.
Apollonia Johnson	8/04	6/08	MA
Holly Long	8/04	11/06	M.A.
Jeremy Oehlert	8/07	8/09 5/12	M.A. Ph.D.
Weng-Tink Chooi	8/08	5/09 5/11	M.A. Ph.D.
Alexander Vu	8/13	10/15	M.A.
Susan Gross	8/13	5/15	M.A.
David Katz	8/14		
Carol Gross	8/14		

University Service

- Undergraduate Admission Committee (1991-1993)
- Electronic Learning Environment Accreditation Subcommittee (1993-1994)
- Regular participant in the freshman seminar series
- Teaching Center Advisory Committee (1994-1996)
- Advisory Committee on Campuswide TA Training
- Faculty Senate Committee on Graduate Studies (1995-1997)
- UUF Curriculum Committee (1997- 2000)
 - o Chair – 1998-99
- UUF Admissions Committee (1998-2001)
 - o Chair - 2000-01
- Faculty Advisor for the computer lab in the Department of Psychology
- Participated as a team member representing CWRU in Columbus at a workshop on developing a Technology in Teaching and Learning Roundtable (10/98).
- Mather Visiting Professor selection committee, 1999-2001
- Faculty Partner for Storrs House, 2000-2001
- Chair, Faculty Search Committee, 2000
- Chair, Task Force on General Education Requirement Revision for the College of Arts and Sciences (2001)
- Member of DAGOR (Dean's Advisory Group on Recruiting), 2002-2003
- Co-Director of SAGES 2002- 2005

- College of Arts and Sciences Executive Committee member, 2003-2006
- College of Arts and Sciences Subcommittee on General Education Revision
- Member of Search Committee for the Chair of the Department of Cognitive Science
- Chair, Faculty Search Committee, Department of Psychology, 2004
- CAS Budget Committee, 2007 – 2010, 2011-2014
 - Chair, 2007-2008, 2013-14
 - CAS Representative on the Faculty Senate Budget Committee, 2007 – 2008
 - CAS Representative on the Faculty Senate Finance Committee, 2012-present
- College of Arts and Sciences Graduate Studies Committee, 2007 – 2010
- Faculty Search Committee, Department of Psychology, 2007, 2010, 2011
- Chair, College Strategic Plan Steering Committee 2007-2010,
- Faculty Search Committee, Department of Communication Sciences 2010, 2011
- Reviewer for Provost's AIG proposals, 2009
- Faculty Senate, 2010-2013
- Faculty Senate Finance Committee, 2012-2014
- College of Arts and Sciences Strategic Plan Steering Committee, 2011-2014
- CWRU Internal Review Board Member 2006-present
- Provost Scholars Mentor, 2014-2015, 2015-16
- Gilmour Academy Catalyst Research Mentor, 2008-present
- College of Arts and Sciences Accenture Task Force member 2015
- University Education and Innovation Working Group 2015