

January 2010

Vita
David Cyril Geary

Personal

Place of Birth: Providence, Rhode Island
Date of Birth: June 7, 1957
Current Work Address: Department of Psychological Sciences
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Education

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| Ph.D. | Developmental Psychology | 1986 |
| M.A. | University of California at Riverside | 1984 |
| M.S. | Clinical Child/School Psychology California State University at Hayward | 1981 |
| B.S. | Psychology University of Santa Clara | 1979 |

Positions

6/09 to 6/11 Thomas Jefferson Professor, University of Missouri System
9/05 to - Curators' Professor, University of Missouri
12/05 to - Faculty, Interdisciplinary Neuroscience Doctoral Program
9/00 to 8/03 Fredrick A. Middlebush Professor of Psychological Sciences
Department of Psychological Sciences, University of Missouri
6/02 to 5/05 Chair, Department of Psychological Sciences
University of Missouri
9/96 to - Professor, Department of Psychological Sciences
University of Missouri; Director, Developmental Training Committee (9/99-5/02)

8/94 to Present Adjunct Associate Professor, Department of Anthropology, University of Missouri

8/89 to 8/93 Assistant Professor to associate professor, Department of Psychology, University of Missouri; Director, Experimental Training Committee (1/91-7/94)

8/87 to 7/89 Assistant Professor, Department of Psychology, University of Missouri at Rolla, MO 65401

8/86 to 7/87 Visiting Assistant Professor, Department of Psychology, University of Texas, El Paso, TX 79968

1/86 to 4/86 Associate in Psychology, Department of Psychology, University of California, Riverside, CA 92521

9/85 to 6/86 Lecturer (Part-time), Department of Psychology, California State University, San Bernardino, CA

9/84 to 6/86 Teaching Assistant, Department of Psychology, University of California, Riverside, CA

6/84 to 12/85 Staff Research Associate, University of California, Los Angeles, MRRC-UCLA Research Group, Lanterman State Hospital, Pomona, CA

6/83 to 9/84 Professional Student Intern, Children's Residential and Day Treatment Center, Riverside County, Riverside, CA

11/81 to 9/82 Crisis Counselor, Emergency Treatment Center, Mental Research Institute, Palo Alto, CA

9/81 to 9/82 Behavioral Consultant, Regional Center of the East Bay, Oakland, CA

10/79 to 8/82 Health Psychology Research Assistant (volunteer) for Dr. M. Hovell (now at San Diego State, and UCSD), Laboratory for the Study of Behavioral Medicine, Stanford University School of Medicine, Stanford, CA

9/80 to 6/81 Intern School Psychologist, Castro Valley Unified School District, Castro Valley, CA

9/79 to 6/81 Intern Counselor, Psychological/Educational Services Center, California State University, Hayward, CA

9/79 to 6/80 Intern School Psychologist, New Haven Unified School District, Union City, CA

National Appointments

- 4/06 to 4/08 Member, President's National Mathematics Advisory Panel; Chair, Learning Processes Task Group
- 10/07 to 11/10 Presidential (George W. Bush) Appointment as Member, National Board of Directors, Institute for Education Sciences (U.S. Department of Education)

Funded and Pending Grants

Research and development center for mathematical difficulties (\$9,934,353), Institute for Education Sciences, U.S. Department of Education, pending. PI (60% effort).

Mathematical development in learning disabled children (\$2,042,460), R37 NIH045914, MERIT Award, 8/1/08-7/31/13.

Mathematical development in learning disabled children (\$1,779,452), NIH R01 HD045914, 9/24/03-7/31/08;

Learning disabilities in elementary mathematics (\$506,846), NIH R01 HD38283, 3/1/01-1/1/04.

Individual differences in arithmetical development (\$40,870), University of Missouri Research Board, 6/1/97-6/1/98.

Numerical cognition and math achievement (\$326,480), NIH R01 HD27931, 5/1/94-4/30/97 [No-cost extension, 5/1/97-4/30/98].

Numerical development in Chinese and American children (\$24,000), University of Missouri Research Board, 6/1/93-12/31/94.

Longitudinal and cross-sectional analyses of an early learning deficit in mathematics (\$27,026), Weldon Spring Competition, 5/89-10/91, with Dr. Brown and Dr. Samaranayake.

Numerical facility: Convergence of factor analytic and cognitive models (\$23,684). Air Force Office of Scientific Research 87-NL-162, 8/1/88-7/31/89.

Honors

Scholarship, University of Santa Clara, 1975-79; Dean's Fellowship, University of California, 1982-83; Graduate Fellowship, University of California, 1983-84
Award for Excellence for Research on Intelligence, MENSA Education and Research Foundation, 1992; Chancellor's Award for Outstanding Faculty Research and Creative

Activity in the Behavioral and Social Sciences, 1996; Nominee, Center for Advanced Study in the Behavioral Sciences Who's Who in the World, 2001- ; Who's Who in Science and Engineering, 2001 - ; Who's Who in America, 2002- ; Who's Who in American Education, 2006- ;Who's Who in Medicine and Healthcare, 2006- ; Fellow, American Psychological Society; Fredrick A. Middlebush Professor of Psychological Sciences, 2000-2003; Honorable Mention, Best science books of the 1990s (*Male, female*), *Lingua franca*; National Institutes of Health MERIT Award; Curators' Professor; Thomas Jefferson Professor; 2009 George A. Miller, Award American Psychological Association (outstanding journal article in general psychology) for Halpern et al. (2007).

Publications

Books

Geary, D. C. (2010). *Male, female: The evolution of human sex differences* (second ed). Washington, DC: American Psychological Association.

Ellis, L., Hershberger, S., Field, E., Wersinger, S., Sergio, P., Geary, D., Palmer, C., Hoyenga, K., Hetsroni, A., & Karadi, K. (2008). *Sex differences: Summarizing more than a century of scientific research*. New York: Francis & Taylor.

Geary, D. C. (2005). *The origin of mind: Evolution of brain, cognition, and general intelligence*. Washington, DC: American Psychological Association. Japanese translation (2007). Tokyo, Japan: Baifukan. Translator: Ryo Oda; Spanish translation (2008). Mexico City, Mexico: Editorial El Manual Moderno: Translator José Luis Núñez Herrejón.

Geary, D. C. (1998). *Male, female: The evolution of human sex differences*. Washington, DC: American Psychological Association. French translation (2003) [*Hommes, femmes: L'Évolution des différences sexuelles humaines*] Brussels: de Boeck. Translator: Philippe Gouillou.

Geary, D. C. (1994). *Children's mathematical development: Research and practical applications*. Washington, DC: American Psychological Association.

Articles, Chapters, Reviews

In press/2010

Geary, D. C. (in press). Missouri longitudinal study of mathematical development and disability. In R. Cowan, M. Saxton, & A. Tolmie (Eds.), *Understanding number development and number difficulties* (No. 7, British Journal of Educational Psychology, Monograph Series II: Psychological Aspects of Education - Current Trends, pp xxx-xxx). Leicester, UK: British Psychological Society.

Meyer, M. L., Salimpoor, V. N., Wu, S. S., Geary, D. C., & Menon V. (in press) Differential contribution of specific working memory components to mathematical skills in 2nd and 3rd graders. *Learning and Individual Differences*.

- Vigil, J. M., Geary, D. C., Flinn, M. V., & Granger, D. A. (in press). Sex differences in salivary cortisol, alpha-amylase, and psychological functioning following hurricane Katrina. *Child Development*.
- Geary, D. C., Berch, D. B., Boykin, A. W., Embretson, S., Reyna, V., & Siegler, R. S. (in press). Learning mathematics: Findings from the national (United States) mathematics advisory panel. In N. Canto (Ed.), *Issues and proposals in mathematics education* (pp. xx-xx). Lisbon, Portugal: Gulbenkian.
- Fuchs, L. S., Geary, D. C., Compton, D. L., Fuchs, D., & Hamlett, C. L. (in press). The contributions of numerosity and domain-general abilities for school readiness. *Child Development*.
- Eriksson, K., Bailey, D. H., & Geary, D. C. (in press). The grammar of approximating number pairs. *Memory & Cognition*.
- Oxford, J., Ponzi, D., & Geary, D. C. (in press). Hormonal responses differ when playing violent video games against an ingroup and outgroup. *Evolution and Human Behavior*.
- Geary, D. C. (in press). Mathematical disabilities: Reflections on cognitive, neuropsychological, and genetic components. *Learning and Individual Differences*.
- Geary, D. C. (2010). Evolution and education. *Psicothema*, 22, 35-40.
- Geary, D. C. (in press). Sex differences. In V. S. Ramachandran (Editor-in-Chief), *Encyclopedia of human behavior* (2nd Edition). San Diego, CA: Elsevier.
- Geary, D. C. (in press). The evolved mind and scientific discovery. In J. Shrager & S. M. Carver (Eds.), *From child to scientist: Mechanisms of learning and development*. Washington, DC: American Psychological Association.
- Geary, D. C., Hoard, M. K., & Bailey, D. H. (in press). How SLD manifests in mathematics. In Flanagan, D. P., & Alfonso, V. C. (Eds.), *Essentials of Specific Learning Disability Identification*. Hoboken, NJ: Wiley.
- Geary, D. C. (in press). Evolutionary educational psychology. In K. R. Harris, S. Graham, & T. Urdan, (Editors), *Educational psychology handbook*. Washington, DC: American Psychological Association.
- Geary, D. C. (in press). Folk abilities and academic learning. In N. M. Seel (Ed.), *Encyclopedia of the sciences of learning*. New York: Springer.
- Bailey, D. H., Durante, K., & Geary, D. C. Men's perception of women's attractiveness is calibrated to relative mate value and dominance of the women's partner. (Revision submitted, *Evolution and Human Behavior*).

Fuchs, L., Geary, D. C., Compton, D. L., Fuchs, D., Hamlett, C. L., Seethaler, P. M., Bryant, J. D., & Schatschneider, C. (submitted). Do domain-general abilities mediate the effects of number sense on the prospective development of arithmetical calculation and word problem skill?

Cho, S., Kondos, L. M., Geary, D. C., & Menon, V. (submitted). Neural correlates of individual differences in young children's use of mental arithmetic strategies.

Bailey, D. H., Ellsworth, R. M., Martin, E. A., & Geary, D. C. (submitted). The Tyranny of opportunity: Goal over-persistence and depression in modern society.

Geary, D. C., Hoard, M. K., & Bailey, D. H. (submitted). Fact retrieval deficits in low achieving children and children with mathematical learning disability.

Wilson, D. S., Berch, D. B., Biglan, A., Bjorklund, D. F., Ellis, B., Embry, D. D., Geary, D. C., Gray, P., & Lieberman, J. (submitted.). Learning from mother nature about teaching our children: Ten simple truths about childhood education from an evolutionary perspective.

2009

Geary, D. C., Bailey, D. H., Littlefield, A., Wood, P., Hoard, M. K., & Nugent, L. (2009). First-grade predictors of mathematical learning disability: A latent class trajectory analysis. *Cognitive Development, 34*, 411-429.

Geary, D. C., Bailey, D. H., & Hoard, M. K. (2009). Predicting mathematical achievement and mathematical learning disability with a simple screening tool: The Number Sets Test. *Journal of Psychoeducational Assessment, 27*, 265-279.

Geary, D. C. (2009). An evolutionary twist on sex, mathematics, and the sciences. In C. Hoff Sommers (Ed.), *The science of women in science* (pp. 170-189). Washington, DC: American Enterprise Institute Press.

Bailey, D. H., & Geary, D. C. (2009). Hominid brain evolution: Testing climatic, ecological, and social competition models. *Human Nature, 20*, 67-79.

Geary, D. C. (2009). Sex differences in reciprocal altruism: Reply to Mower. *Journal for the Theory of Social Behaviour, 39*, 121-124.

Geary, D. C. (2009). The *Why* of learning. *Educational Psychologist, 44*, 198-201.

Geary, D. C. (2009). Evolution of general fluid intelligence. In S. M. Platek & T. K. Shackelford (Eds.), *Foundations in evolutionary cognitive neuroscience* (pp. 22-56). Cambridge, MA: MIT Press.

Bailey, D. H., Oxford, J. K., & Geary, D. C. (2009). Ultimate and proximate influences on human

sex differences. *Behavioral and Brain Sciences*, 32, 266-267.

Vigil, J. M., & Geary, D. C. (2009). An exploratory analysis of family coping styles and psychobiological distress among adolescents affected by a large-scale disaster. *Journal of Child and Adolescent Trauma*, 2, 81-89.

Vigil, J. M., Carle, A. C., Geary, D. C., Granger, D. A., Flinn, M. V., & Pendleton, P. (2009). Maternal correlates of children's stress functioning following a major natural disaster. *Journal of Child and Adolescent Trauma*, 2, 287-296.

2008

Geary, D. C., Hoard, M. K., Nugent, L., & Byrd-Craven, J. (2008). Development of number line representations in children with mathematical learning disability. *Developmental Neuropsychology*, 33, 277-299.

Geary, D. C. (2008). An evolutionarily informed education science. *Educational Psychologist*, 43, 279-295.

Geary, D. C. (2008). Whither evolutionarily educational psychology? *Educational Psychologist*, 43, 217-226.

National Mathematics Advisory Panel. (2008). *Foundations for Success: Final Report of the National Mathematics Advisory Panel*. Washington, DC: United States Department of Education. <http://www.ed.gov/about/bdscomm/list/mathpanel/report/final-report.pdf>

Geary, D. C., Boykin, A. W., Embretson, S., Reyna, V., Siegler, R., Berch, D. B., & Graban, J. (2008). Report of the task group on learning processes. In National Mathematics Advisory Panel, *Reports of the task groups and subcommittees* (pp. 4-i-4-221). Washington, DC: United States Department of Education. <http://www.ed.gov/about/bdscomm/list/mathpanel/report/learning-processes.pdf>

Wu, S., Meyer, M. L., Maeda, U., Salimpoor, V., Tomiyama, S., Geary, D. C., & Menon, V. (2008). Standardized assessment of strategy use and working memory in early mental arithmetic performance. *Developmental Neuropsychology*, 33, 365-393.

Hoard, M. K., Geary, D. C., Byrd-Craven, J., & Nugent, L. (2008). Mathematical cognition in intellectually precocious children. *Developmental Neuropsychology*, 33, 251-276.

Reprinted in (2009). *Mensa Research Journal*, 40, 39-52.

Byrd-Craven, J., Geary, D. C., Rose, A. J., & Ponzi, D. (2008). Co-rumination increases stress hormone levels in women. *Hormones and Behavior*, 53, 489-492.

Vigil, J. M., & Geary, D. C. (2008). A preliminary investigation of family coping styles and

psychological well-being among adolescent survivors of hurricane Katrina. *Journal of Family Psychology*, 22, 176-180.

Vigil, J. M., & Geary, D. C. (2008). Developmental consequences of childhood sexual abuse. In M. J. Smith (Ed.), *Childhood sexual abuse: Issues and challenges* (pp. 43-66). Hauppauge, NY: Nova Science Publishers, Inc.

Geary, D. C. (2008). Children's academic development: Where evolution meets culture. *Anuario de Psicología*, 39, 209-223.

Geary, D. C. (2008). Cognitive development: Biological theories. In E. M. Anderman (Ed.), *Psychology of Classroom Learning: An Encyclopedia*, Detroit: Macmillan Reference.

2007

Geary, D. C., Hoard, M. K., Byrd-Craven, J., Nugent, L., & Numtee, C. (2007). Cognitive mechanisms underlying achievement deficits in children with mathematical learning disability. *Child Development*, 78, 1343-1359.

Geary, D. C. (2007). Educating the evolved mind: Conceptual foundations for an evolutionary educational psychology. In J. S. Carlson & J. R. Levin (Eds.), *Educating the evolved mind* (pp. 1-99, Vol. 2, Psychological perspectives on contemporary educational issues). Greenwich, CT: Information Age.

Geary, D. C. (2007). Educating the Evolved Mind: Reflections and Refinements. In J. S. Carlson & J. R. Levin (Eds.), *Educating the evolved mind* (pp. 177-203, Vol. 2, Psychological perspectives on contemporary educational issues). Greenwich, CT: Information Age.

Geary, D. C. (2007). An evolutionary perspective on sex differences in mathematics and the sciences. In S. J. Ceci & W. M. Williams (Eds.), *Why aren't more women in science? Top researchers debate the evidence* (pp. 173-188). Washington, DC: American Psychological Association.

Geary, D. C. (2007). An evolutionary perspective on learning disability in mathematics. *Developmental Neuropsychology*, 32, 471-519.

Geary, D. C. (2007). The motivation to control and the evolution of general intelligence. In S. Gangestad & J. Simpson (Eds.), *The evolution of mind: Fundamental questions and controversies* (pp. 305-312). New York: Guilford Publications.

Halpern, D., Benbow, C., Geary, D. C., Gur, R., Hyde, J., & Gernsbacher, M. A. (2007). The science of sex differences in science and mathematics. *Psychological Science in the Public Interest*, 8 (No 1, 1-52).

Halpern, D., Benbow, C., Geary, D. C., Gur, R., Hyde, J., & Gernsbacher, M. A. (2007,

- December). Sex, math and scientific achievement: Why do men dominate the fields of science, engineering and mathematics? *Scientific American Mind*, 18, 44-51.
- DeSoto, M. C., Bumgardner, J., Close, A., & Geary, D. C. (2007). Investigating the role of hormones in theory of mind. *North American Journal of Psychology*, 9, 535-544.
- Geary, D. C., Nugent, L., Hoard, M. K., & Byrd-Craven, J. (2007). Strategy use, long-term memory, and working memory capacity. In D. B. Berch & M. M. M. Mazzocco (Eds.), *Why is Math So Hard for Some Children? The Nature and Origins of Mathematical Learning Difficulties and Disabilities* (pp. 83-105). Baltimore, MD: Paul H. Brookes Publishing Co.
- Byrd-Craven, J., & Geary, D. C. (2007). Biological and evolutionary contributions to developmental sex differences. *Reproductive BioMedicine*, 15 (Suppl. 2), 12-22. <http://www.rbmonline.com/Article/2853>.
- Geary, D. C. (2007). Evolution of fatherhood. In C. Salmon & T. Shackelford (Eds.), *Family relationships: An evolutionary perspective* (pp. 115-144). New York: Oxford University Press.
- Repinted in V. G. Haase & I. B. M. da Cruz (in press). *Evolução da família humana: como as adaptações evolutivamente selecionadas influenciam a família contemporânea. (Evolution of the human family: How evolutionary selected adaptations influence contemporary family life)*. Santa Maria, Brazil: Editora da Universidade Federal de Santa Maria
- Geary, D. C. (2007). Fight or flight response. In R. Baumeister & K. Vohs (Eds.), *Encyclopedia of social psychology*. Thousand Oaks, CA: Sage.
- Lie, C., & Geary, D. C. (Eds.) (2007). Evolutionary psychology. *Acta Psychological Sinica*, 39 (special issue, pp. 381-570).
- Lie, C., & Geary, D. C. (2007). The future of psychology: Evolutionary approach to scientific psychology. *Acta Psychological Sinica*, 39, 381-382.
- Geary, D. C. (2007). An integrative model of human brain, cognitive, and behavioral evolution. *Acta Psychological Sinica*, 39, 383-397.
- Byrd-Craven, J., Geary, D. C., Vigil, J. M., & Hoard, M. K. (2007). One mate or two? Life history traits and reproductive variation in low-income women. *Acta Psychological Sinica*, 39, 469-480.
- Geary, D. C. (2007). Evolution and children's learning. In F. Santoianni & C. Sabatano (Eds.), *Brain development in learning environments: Embodied and perceptual advancements* (pp. 16-33). Newcaslte, UK: Cambridge Scholars Press.

2006

- Geary, D. C. (2006). Development of mathematical understanding. In D. Kuhl & R. S. Siegler (Vol. Eds.), *Cognition, perception, and language, Vol 2* (pp. 777-810). W. Damon (Gen. Ed.), *Handbook of child psychology* (6th Ed.). New York: John Wiley & Sons.
- Geary, D. C. (2006). Sex differences in social behavior and cognition: The utility of sexual selection for hypothesis generation. *Hormones and Behavior, 49*, 273-275.
- Vigil, J. M., & Geary, D. C. (2006). Family and community background and variation in women's life history development. *Journal of Family Psychology, 20*, 597-604.
- Geary, D. C. (Ed.) (2006). Evolutionary developmental psychology. *Developmental Review, 26* (special issue, pp. 113-276).
- Geary, D. C. (2006). Evolutionary developmental psychology: Current status and future directions. *Developmental Review, 26*, 113-119.
- Vigil, J. M., Geary, D. C., & Byrd-Craven, J. (2006). Trade-offs in low-income women's mate preferences: Within-sex differences in reproductive strategy. *Human Nature, 17*, 319-336.
- Geary, D. C. (2006). Evolution menschlicher Kognition (Evolution of human cognition). In J. Funke & P.A. Frensch (Eds.), *Handbuch der Allgemeinen Psychologie - Kognition* (pp. 29-38). Göttingen: Hogrefe.
- Fink, B., Brookes, H., Neave, N., Manning, J. T., & Geary, D. C. (2006). Second to fourth digit ratio and numerical competence in children. *Brain and Cognition, 61*, 211-218.
- Sheldon, M. S., Cooper, L. Geary, D. C., Hoard, M. K., & DeSoto, M. C. (2006). Estrogen fluctuation and sexual motives. *Personality and Social Psychology Bulletin, 32*, 1659-1673.
- Geary, D. C. (2006). Sexual selection and the evolution of human sex differences. *Psihologijske teme, 15*, 203-238. [Croatian journal *Psychological Topics*].
- Geary, D. C. (2006). An evolutionary perspective on sexual and intimate relationships. In R. D. McAnulty & M. M. Burnette (Eds.), *Sex and sexuality: Vol. 2, Sexual function and dysfunction* (pp. 67-86). Westport, CT: Greenwood Publishing.
- Geary, D. C. (2006). [Review of *Getting it wrong from the beginning: Our progressive inheritance from Herbert Spencer, John Dewey, and Jean Piaget* by K. Egan]. *American Journal of Education, 112*, 311-314.
- Geary, D. C. (2006). Innate sex differences supported by untypical fatalities: Comment. *Chance, 19*, 16-17.

- Geary, D. C. (2006). [Review of *Gender differences in mathematics: An integrative psychological approach*. Edited by A. M. Gallagher & J. C. Kaufman]. *British Journal of Educational Studies*, 54, 245-246.
- Geary, D. C. (2006). Coevolution of paternal investment and cuckoldry in humans. In T. K. Shackelford & S. Platek (Eds.), *Female infidelity and paternal uncertainty* (pp.14-34). New York: Cambridge University Press.
- Geary, D. C. (2006). Dyscalculia at an Early Age: Characteristics and Potential Influence on Socio-Emotional Development. In R.E. Tremblay & R.D. Peters (Eds.), *Encyclopaedia on Early Childhood Development* [online]. Montreal, Quebec: Center of Excellence for Early Childhood Development; 1-4. Available at: <http://www.excellenceearlychildhood.ca/documents/GearyANGxp.pdf>

2005

- Vigil, J. M., Geary, D. C., & Byrd-Craven, J. (2005). A life history assessment of early childhood sexual abuse in women. *Developmental Psychology*, 41, 553-561.
- Geary, D. C. (2005). Evolution of life history trade-offs in mate attractiveness and health: Comment on Weeden and Sabini (2005). *Psychological Bulletin*, 131, 654-657.
- Geary, D. C. (2005). Evolution of paternal investment. In D. M. Buss (Ed.), *The evolutionary psychology handbook* (pp. 483-505). Hoboken, NJ: John Wiley & Sons.
- Geary, D. C. (2005). Role of cognitive theory in study of learning disability in mathematics. *Journal of Learning Disabilities*, 38, 305-307.
- Geary, D. C. (2005). The motivation to control and the origin of mind: Exploring the life-mind joint point in the tree of knowledge. *Journal of Clinical Psychology*, 61, 21-46.
- Flinn, M. V., Geary, D. C., & Ward, C. V. (2005). Ecological dominance, social competition, and coalitionary arms races: Why humans evolved extraordinary intelligence. *Evolution and Human Behavior*, 26, 10-46.
- Geary, D. C., & Hoard, M. K. (2005). Learning disabilities in arithmetic and mathematics: Theoretical and empirical perspectives. In J. I. D. Campbell (Ed.), *Handbook of mathematical cognition* (pp. 253-267). New York: Psychology Press.
- Geary, D. C. (2005). Folk knowledge and academic learning. In B. J. Ellis & D. F. Bjorklund (Eds.), *Origins of the social mind: Evolutionary psychology and child development* (pp. 493-519). New York: Guilford Publications.
- Geary, D. C. (2005). [Review of *The evolution of thought: Evolutionary origins of great ape*

intelligence by A. E. Russon & D. R. Begun]. *Evolution and Human Behavior*, 26, 206-212.

Geary, D. C. (2005). Les troubles d'apprentissage en arithmétique: Role de la mémoire de travail et des connaissances conceptuelle [Learning disabilities in arithmetic: Role of working memory and conceptual knowledge] (pp. 169-191). In M.-P. Noël (Ed.), *La dyscalculie: trouble du développement numérique de l'enfant [Dyscalculia: Difficulties in children's numerical development]*. Marseille, France: Solal.

Geary, D. C. (2005). The road to monogamy: Evolutionary pathways and proximate detours. [Review of *Monogamy: Mating strategies in birds, humans and other mammals* by U. H. Reichard & C. Boesch Editors]. *Theoretical Primatology Project*, <http://www.robertwilliams.org/tpp/tppreviews.html>.

2004

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Geary, D. C., Hoard, M. K., Byrd-Craven, J., & DeSoto, C. M. (2004). Strategy choices in simple and complex addition: Contributions of working memory and counting knowledge for children with mathematical disability. *Journal of Experimental Child Psychology*, 88, 121-151.

Geary, D. C., Vigil, J., & Byrd-Craven, J. (2004). Evolution of human mate choice. *Journal of Sex Research*, 41, 27-42.

Geary, D. C. (2004). [Review of Sexual Selection and Reproductive Competition in Primates: New Perspectives and Directions. Edited by Clara B. Jones]. *American Journal of Human Biology*, 16, 176-178.

Geary, D. C. (2004). Why do the birds and bees do it? In D. Rothenberg & W. J. Pryor (Eds.), *Writing the future: Progress and evolution* (pp. 51-58). Cambridge, MA: MIT Press.

Geary, D. C. (2004). Evolution and cognitive development. In R. Burgess & K. MacDonald (Eds.), *Evolutionary perspectives on human development* (pp. 99-133). Thousand Oaks, CA: Sage Publications.

2003

Geary, D. C., Byrd-Craven, J., Hoard, M. K., Vigil, J., & Numtee, C. (2003). Evolution and development of boys' social behavior. *Developmental Review*, 23, 444-470.

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- Geary, D. C., & Hoard, M. K. (2003). Learning disabilities in basic mathematics: Deficits in memory and cognition. In J. M. Royer (Ed.), *Mathematical cognition* (pp. 93-115). Greenwich, CT: Information Age Publishing.
- DeSoto, M. C., Geary, D. C., Hoard, M. K., Sheldon, M. S., Cooper, L. (2003). Estrogen fluctuations, oral contraceptives and borderline personality. *Psychoneuroendocrinology*, 28, 751-766.
- Geary, D. C. (2003). Arithmetical development: Commentary on chapters 9 through 15 and future directions. In A. Baroody & A. Dowker (Eds.), *The development of arithmetic concepts and skills: Constructing adaptive expertise* (pp. 453-464). Mahwah, NJ: Erlbaum.

2002

- Geary, D. C. & Huffman, K. J. (2002). Brain and cognitive evolution: Forms of modularity and functions of mind. *Psychological Bulletin*, 128, 667-698.
- Geary, D. C. (2002). Sexual selection and human life history. In R. Kail (Ed.), *Advances in Child Development and Behavior* (Vol 30, pp. 41-101). San Diego, CA: Academic Press.
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Geary, D. C. (1981). *Effects of a nonpharmacological adjunctive treatment for essential hypertension*. MS thesis. California State University, Hayward, CA.

Geary, D. C. (1984, September). Sex hormones and patterns of hemispheric specialization at puberty. Dissertation Proposal, University of California, Riverside, (70 ms. pages).

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Editorial Board/Guest Editor

Developmental Psychology, 1996

Journal of Educational Psychology, 1996-2002, 2007-2009

Child Development, 1997-2002

Contemporary Educational Psychology, 2000-2006

Journal of Learning Disabilities, 2001-

Evolutionary Psychology, 2001-

Human Nature, 2005-

Journal of Experimental Child Psychology, 2007-

Annals of Dyslexia, 2007-

Journal of Social, Evolutionary, and Cultural Psychology, 2008-

Developmental Review, 2005-06, guest editor (special issue, Evolutionary Developmental Psychology, Vol. 26, pp. 113-276).

Acta Psychologica Sinica, 2006-2007, guest co-editor with C. Lie (special issue Evolutionary Psychology, Vol. 39, pp. 381-570).

Ad Hoc Reviewer; 79 journals

Science; Cognition; Child Development; Acta Psychologica; Memory & Cognition;

Brain and Cognition; Psychology and Aging; American Psychologist; Cognitive Development; Mathematical Cognition; Psychological Bulletin; Merrill-Palmer Quarterly; Developmental Psychology; Perceptual and Motor Skills; Evolution and Human Behavior; Developmental Neuropsychology; Behavioral and Brain Sciences; Journal of Abnormal Psychology; Journal of Educational Psychology; International Journal of Psychology; Trends in Cognitive Sciences; American Educational Research Journal; European Journal of Cognitive Psychology; Journal of Experimental Child Psychology; Journal of Experimental Psychology: Applied; Journal of Experimental Psychology: General; Journal of Personality and Social Psychology; International Journal of Behavioral Development; Journal of Gerontology: Psychological Sciences; Journal of Experimental Psychology: Learning, Memory, and Cognition; Canadian Journal of Experimental Psychology; Cognition and Emotion; Psychological Research; Current Directions in Psychological Science; Human Biology; Psychonomic Bulletin & Review; Psycology; Contemporary Educational Psychology; British Journal of Psychology; Journal of the International Neuropsychological Society; Journal of Learning Disabilities; Journal of Personality; Neuropsychology; Journal of Cognition and Development; Psychological Review; European Journal of Cognitive Psychology; Applied Developmental Science; European Journal of Psychology of Education; Social Biology; Mathematical Thinking and Learning; Cortex; Journal of Research in Personality; British Journal of Psychology; Cerebral Cortex; Parenting: Science and Practice; Learning Disabilities Research and Practice; Human Nature; Current Psychology Letters: Behavior; Quarterly Journal of Experimental Psychology; Biology Letters; Hormones and Behavior; Behavior Genetics; Social Sciences Quarterly; Journal of Comparative Psychology; Journal of Family Psychology; Child Neuropsychology; Cognitive Psychology; Dyslexia; Visual Cognition; Cognitive Science; Annals of the New York Academy of Sciences; Gender Studies; Current Anthropology; Proceedings of the Royal Society of London Biological Sciences; Perspectives in Child Development; Exceptional Children; Scandinavian Journal of Psychology; American Journal of Physical Anthropology.

Grant and Other Reviews

Site visit team member, National Institute of General Medical Sciences, National Institutes of Health (2/87)

Study Section Member: Behavioral and Neuroscience Special Emphasis Panel, Human Development and Aging, National Institutes of Health (7/92); Learning Disabilities Research Center Grants, National Institutes of Health (ZHD1 DSR-H 27 D; 10/05).

Reviewer, American Institute for Biological Sciences for U.S. Army Medical Research and Development Command (Cognitive and behavioral development of children with neurofibromatosis-1) (5/93); Various study sections of the National Institutes of Health.

Ad Hoc Reviewer, The Israel Science Foundation; Natural Sciences and Engineering Research Council of Canada, National Science Foundation (U.S.); The Wellcome Trust (United Kingdom); Gent University, Belgium; Economic and Social Research Council (United Kingdom); Medical Research Council (United Kingdom); Social Sciences and Humanities Research Council of Canada; Research Council, Catholic University of Louvain (Belgium);

Academy of Finland; Netherlands Organisation for Scientific Research; Leverhulme Trust (UK); US Department of Education, Division of Educational Sciences.

External Review Panel, International Human Frontier Science Program (1997-).

Review Committee (2004), Eleanor Maccoby Book Award, American Psychological Association

Association Affiliations

Member: Psychonomic Society, Human Behavior and Evolution Society, American Association for the Advancement of Science

Fellow, Association for Psychological Sciences

Member: American Psychological Association, 1990-1999

Associate Member: National Academy of Neuropsychologists, 1984-1987

Courses Taught

Cognitive Development (undergraduate); General Psychology (undergraduate); Life-span Developmental Psychology (undergraduate); Learning (undergraduate); Cognition (undergraduate, graduate); Child Psychology (undergraduate); Graduate Seminar in Learning and Cognition; Psychology of Development (graduate); Psychobiology of Social Development (graduate); Sexual Selection (graduate seminar); Evolution of Human Sex Differences (Honors); Readings in Evolution and Behavior (graduate seminar); Sex Differences (undergraduate).

Independent Study Courses

Geary, D. C. (1990). *Child Psychology*. Columbia, MO: University of Missouri Extension.

Geary, D. C. (1991). *Cognitive Psychology*. Columbia, MO: University of Missouri Extension.

Community Service (partial list)

Radio

National Public Radio (Adolescent Development); "Best of our knowledge," *National Public Radio* (children's mathematical development; assessment of mathematical achievement; mathematics reform; evolution and education) *Voice of America* (development of mathematical skills in Chinese and American children); *Canadian Broadcasting Company* (mathematical development); Radio Stations across Missouri (mathematical skills of Chinese and American children; mathematical skills of elderly adults; international differences in mathematical competencies); *British Broadcasting Company* (sex differences in math and science); *Chorus Broadcasting Network* (Roy Green Show, brain evolution); *KCSN* (Northridge, CA; book interview for show Full Circle); *WERS* (Boston, MA; people's understanding of magnitude of economic stimulus).

Television

'Missouri Forum,' *KOMU (NBC)*; Effect of Day Care on Child Development); Scientific Advisor, Palfreman Film Group, *Public Broadcasting System* (Advisor for Documentary on Math Education in Inner Cities); *Arts & Entertainment* (interview, sex differences); *M5* (national television, France; interview, hormones and sex differences in mate preferences); *Canadian Broadcasting Company* (interview, science series on sex differences); *ABC World News Tonight* (interview, sex differences), *KSDK (NBC, St. Louis)*; brain and cognitive sex differences), *Fox News (KC, brain evolution)*, *CBS News* (brain evolution).

Print

Interviews for or research described in various outlets, including (among others) *Discover*, *New Scientist*, *Science*, *News Week*, *Psychology Today*, *Washington Post*, *Science News*, *Chicago Tribune*, *Psychiatric Times*, *USA Today*, *Ming Pao Daily News* (Hong Kong), *Wall Street Journal*, *Education Week*, *St. Louis Post Dispatch*, *Management Accounting*, *Kansas City Star*, *Cankao Xiaoxi* (China), *Education Digest*, *El Paso Times*, *The Detroit News*, *Building Design*, *Family Life*, *Psychological Monitor*, *London Times*, *Viewpoint* (UK), *Chicago Sun Times*, *Forbes*, *Chronicle of Higher Education*, *WebMD*, *Congressional Quarterly Researcher*, *Dossier BioSciences* (France), *Psychologies* (UK), *Women's Health*, *Men's Health*, *Thalamus*, *Best Life Magazine*, *Science and Spirit*; *Chronic'art* (France); *Times of India* (India); *Glasgow Evening Times* (UK), *The Sun* (UK).

Newspaper & Web articles/commentary:

La Vanguardia, ¿Difieren realmente hombres y mujeres? (Spain; June 20, 2004 in print, June 21, on line; invited, sex differences in abilities); *American Psychological Association Observer*, Is there life after the ivory tower? Donald Kausler's second career as the country's guru on aging; *Edge: The Third Culture* (comment on Assortative mating theory by Baron-Cohen; http://www.edge.org/3rd_culture/baron-cohen05/baron-cohen05_index.html); On-line Web discussant, Colloquy, *Chronicle of Higher Education* (3/05 – available with Google search); Educating the evolved mind, *Florida Humanist Journal* (Spring 2009).

Other

One of the principle authors of the *Mathematics Framework for California Public School Grades K through 12* (1999); Advisor, *National Center for Educational Statistics* (2002), on the development of assessment measures of early quantitative abilities in preschool children as part of a national longitudinal study of mathematical abilities. Book review for *National Geographic children's series*.

Presentations and Invited Colloquia

Frankel, B. S., Geary, D. C., and Hovell, M. F. (1981, May). Survey methodology in the clinic setting: Issues of reactivity and reliability. Annual Meeting of the Association of Behavior Analysis, Milwaukee, WI.

- Geary, D. C., Jennings, S. M., & Schultz, D. D. (1982, April). Luria-Nebraska Neuropsychological Battery-Children's Revision Comparison of normal and learning disabled children. Presented at the annual meeting of the Western Psychological Association, Sacramento, CA.
- Geary, D. C. (1982, May). The Luria-Nebraska Children's Battery: Issues for school psychologists. Invited presentation, Department of Educational Psychology, California State University, Hayward, CA.
- Geary, D. C., Hovell, M. F., Black, D. R., Walton, C., Kamachi, K., & Kirk, R. (1982, November). Experimental analysis of adherence counseling: Behavioral measurement of hypertension. Presented at the annual meeting of the Northern California Behavior Analysis Association, Asilomar, CA.
- Geary, D. C., Hovell, M. F., Black, D. R., Walton, C., Kamachi, K., & Kirk, R. (1982, November). Medical alerts for hypertension management: Effects of Behavioral and biological feedback on physicians and patients. Presented at the Annual meeting of the Northern California Behavior Analysis Association, Asilomar, CA.
- Geary, D. C. (1984, January). The Luria-Nebraska Children's Revision: Early research and limitations. Invited Presentation, Department of Mental Health, Riverside County, Palm Springs, CA.
- Gilger, J. W., Geary, D. C. & Jennings, S. M. (1984, April). Performance on the Luria-Nebraska Children's Battery associated with VIQ-PIQ differences. Presented at the Annual Meeting of the Western Psychological Association, Los Angeles, CA.
- Geary, D. C., & Gilger, J. W. (1984, April). Performance on the Luria-Nebraska for normal and LD children matched on FSIQ. Presented at the Annual meeting of the Western Psychological Association, Los Angeles, CA.
- Gerstle, R. M., Geary, D. C., & Reller-Geary, L. L. (1984, April). Intellectual and social changes in a 48,XXYY male. Presented at the Annual Meeting of the Western Psychological Association, Los Angeles, CA.
- Widaman, K. F., Cormier, P. A., & Geary, D. C. (1984, April). A chronometric analysis of simple and complex addition. Presented at the Annual meeting of the Western Psychological Association, Los Angeles, CA.
- Hovell, M. F., Black, D. R., & Geary, D. C. (1984, May). Paraprofessional counseling for hypertension control: A quasi-experimental analysis. Presented at the Annual Meeting of the Society of Behavioral Medicine, Philadelphia, PA.
- Cormier, P. A., Widaman, K. & Geary, D. C. (1984, August). A general model for mental addition. Presented at the Annual Meeting of the American Psychological Association, Toronto, Canada.
- Geary, D. C., & Gilger, J. W. (1984, October). Clinical utility of the Luria-Nebraska Neuropsychological Battery-Children's Revision. Presented at the Annual Meeting of the National Academy of Neuropsychologists, San Diego, CA.
- Little, T. D., Widaman, K. F., Cormier, P., & Geary, D. C. (1985, April). Influence of instructional variation on the pattern of addition algorithms. Presented at the annual meeting of the Western Psychological Association, San Jose, CA.
- Little, T. D., Widaman, K. F., Geary, D. C., & Cormier, P. (1985, April). Development of addition algorithms: Difference between normal and learning deficient children. Presented at the annual meeting of the Western Psychological Association, San Jose, CA.
- Geary, D. C., Widaman, K. F., Little, T. D., & Cormier, P. (1985, April). Chronometric analysis of complex addition: Verification of a general model. Presented at the annual meeting of the Western Psychological Association, San Jose, CA.

- Geary, D. C., Little, T. D., Widaman, K. F., & Cormier, P. (1985, August). Analysis of complex addition: Model estimation and stability of estimates. Presented at the annual meeting of the American Psychological Association, Los Angeles, CA.
- Cormier, P., Widaman, K. F., Geary, D. C., & Little, T. D. (1985, August). Individual differences in mental addition: Testing the network-retrieval model. Presented at the annual meeting of the American Psychological Association, Los Angeles, CA.
- Little, T. D., Widaman, K. F., Geary, D. C., & Cormier, P. (1985, August). Individual differences in the development of addition algorithms. Presented at the annual meeting of the American Psychological Association, Los Angeles, CA.
- Widaman, K. F., Geary, D. C., Cormier, P., & Little, T. D. (1985, August). Cognitive processing strategies for complex addition. Presented at the annual meeting of the Cognitive Science Society, Irvine, CA.
- Cormier, P., Tomlinson-Keasey, C., & Geary, D. C. (1985, November). Specialization hemispheric differente chez les hommes et les femmes lors de l'apprentissage du code morse: Analyse des responses. Presented at the 8th annual conference of the Societe Quebecoise pour la Recherche en Psychologie, Montreal, Canada.
- Whalen, R. E., Geary, D. C., & Johnson, F. (1986, May) Models of Sexuality. Presented at the Second Kinsey Symposium: Homosexuality/Heterosexuality: The Kinsey Scale and Current Research. The Kinsey Institute, Bloomington, IN.
- Geary, D. C. (1986, October). The information processing approach to human intelligence: A case study of arithmetic. Invited presentation, Department of Physics, University of Texas, El Paso, Texas.
- Geary, D. C., Little, T. D., Widaman, K. F., & Cormier, P. (1987, April). Cognitive addition: Comparison of learning disabled and academically normal children. Presented at the biannual meeting of the Society for Research in Child Development, Baltimore, MD.
- Gerstle, R. M., Himelstein, P., Geary, D. C., & Reller-Geary, L. (1987, April). Changes in comprehensive Rorschach system variables following inpatient treatment of disturbed children. Presented at the annual meeting of the Southwestern Psychological Association, New Orleans, LA.
- Geary, D. C. (1988, November). Sex-dimorphic behavior patterns, maturational timing, and gender differences in spatial ability. Presented at the annual meeting of the Psychonomic Society, Chicago, IL.
- Geary, D. C. (1988, December). Individual differences in cognitive arithmetic. Invited presentation, Human Abilities Measurement Program, Air Force Human Resources Laboratory, Brooks AFB, Texas.
- Cormier, P., Lunn, M., Geary, D.C., Goggin, J.P., & Estrada, P. (1990, August). Mental arithmetic in bilinguals: New evidence from chronometric analysis. Presented at the annual meeting of the American Psychological Association, Boston, MA.
- Geary, D. C., & Frensch, P. A. (1991, June). A production-system model for simple and complex addition. Presented at the annual meeting of the American Psychological Society, Washington, DC.
- Geary, D. C. (1992, January). Numerical cognition: Skill development in mathematically disabled children. Invited presentation, Institute for Behavioral Genetics, University of Colorado, Boulder, CO.
- Geary, D. C. (1992, January). Potential loci of multinational achievement differences in mathematics. Invited presentation, Department of Computer Science, Washington University, St. Louis, MO.
- Geary, D. C., & Frensch, P. A. (1992, April). A production-system model for simple and complex addition.

Presented at the annual meeting of the Tagung Experimental Arbeitender Psychologen (TEAP), Dsnobruck, Germany.

Geary, D. C., Bow-Thomas, C. C., Fan, L., Mueller, J., Turk, A., & Siegler, R. S. (1992, November). Acquisition of arithmetic skills in Chinese and American children. Presented at the annual meeting of the Psychonomic Society, St. Louis, MO.

Aube, R., Cormier, P., & Geary, D. C. (1992, November). La specialisation hemispherique dans une tache 'addition simple. Presented at the 15th annual meeting of the Societe Quebecoise pour la Recherche en Psychology, Montreal, Canada.

Geary, D. C., Fan, L., Bow-Thomas, C. C., & Siegler, R. S. (1993, November). Memory span and strategy choices in Chinese and American children. Presented at the annual meeting of the Psychonomic Society, Washington, DC.

Geary, D. C. (1993, December). Counting and arithmetic in Chinese and American children: The early influence of language. Invited presentation, Annual meeting of the Missouri Council of Teachers of Mathematics, Columbia, MO.

Geary, D. C. (1994, April). Subtypes of mathematical disabilities. Invited symposium participant, "From Beijing to Yonkers: Differences in early mathematical thinking." Annual meeting of the American Educational Research Association, New Orleans, LA.

Geary, D. C. (1994, November). Are East Asian versus American differences in arithmetical abilities a recent phenomenon? Invited presentation, Department of Anthropology, University of Missouri, Columbia, MO.

Geary, D. C., Salthouse, T. A., Chen, G. P., & Fan, L. (1994, November). Numerical cognition: Are U.S.--East Asian ability differences a recent phenomenon? Presented at the annual meeting of the Psychonomic Society, St. Louis, MO.

Geary, D. C. (1994, December). The East Asian versus American differences in arithmetic skill might not have existed 50 years ago. Invited presentation, Annual meeting of the Missouri Council of Teachers of Mathematics, Columbia, MO.

Geary, D. C. (1995, January). Subtypes of mathematical disabilities: Conceptual and empirical perspectives. Invited colloquia, Department of Behavioral Sciences, School of Medicine, University of Southern Illinois, Carbondale, IL.

Geary, D. C. (1995, April). Are differences in the arithmetic abilities of East Asians and Americans a recent phenomenon? Invited symposium participant, Sources of Asian children's superiority in mathematics: Culture or classroom in this cohort? Annual meeting of the American Educational Research Association, San Francisco, CA.

Geary, D. C. (1995, July). Biology, ontogeny, and learning: Implications for mathematics education and development. Main speaker at plenary symposium, biannual meeting of the International Association for Cognitive Education, Monticello, New York.

Geary, D. C. (1995, October). Reflections of evolution and cultural in children's cognition. Invited Colloquia, Max Planck Institute for Human Development and Education, Berlin, Germany.

Geary, D. C. (1995, October). Subtypes of mathematical disabilities. Keynote Address, Italian Association for Research and Treatment of Psychopathology of Learning, Trieste, Italy.

Geary, D. C. (1996, April). Computational and reasoning abilities in arithmetic: Cross-generational change in China and the United States. Invited Colloquia, Department of Psychology, University of Missouri, Rolla, MO.

- Geary, D. C. (1996, May). A cross-generation perspective on the mathematical development of individuals from China and the United States. Keynote address, Festschrift Conference in Honor of Harold Stevenson, University of Michigan Ann Arbor, MI.
- Geary, D. C. (1996, October). Computational and reasoning abilities in arithmetic: Cross-generational change in China and the United States. Invited Colloquia, Department of Psychology, University of Kansas, Lawrence, KS.
- Geary, D. C., Hamson, C. O., Chen, G.-P., Liu, F., Hoard, M. K., & Salthouse, T. A. (1996, November). A cross-generational perspective on the mathematical competencies of Chinese and Americans. Presented at the annual meeting of the Psychonomic Society, Chicago, IL.
- Geary, D. C. (1997, April). Integrating biological and cultural influences on children's cognitive and academic development. Discussant, symposium on Sources of cognitive growth: Toward a biocultural synthesis." Presented at the biannual meeting of the Society for Research in Child Development, Washington, D.C.
- Lin, J., & Geary, D. C. (1997, May). Age-related differences in the speed of two numerical cognitive processes. Presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Geary, D. C. (1998, January). Mathematical development and mathematical disabilities. Invited colloquia, Faculty of Psychology and Educational Science, Catholic University of Louvain, New Louvain, Belgium.
- Geary, D. C. (1998, April). Mathematical disabilities/dyscalculia. Invited address, Conference on Mathematical Cognition, National Institutes of Health, Bethesda, MD.
- Geary, D. C. (1999, March). Biology, culture, and sex differences in mate choice. Invited University Lecture, State University of New York, Oswego, NY.
- Geary, D. C. (1999, October). Darwinism, mathematics, and schooling. Invited address, John F. Kennedy School of Government, Harvard University, Cambridge, MA.
- Geary, D. C., Saults, S. C., Liu, F., & Hoard, M. K. (1999, November). Sex differences in spatial cognition and arithmetical reasoning. Annual meeting of the Psychonomic Society, Los Angeles, CA.
- Geary, D. C. (2000, June). Chair, invited cross-cutting symposium, Psychological Research and Educational Practice and Policy. Annual meeting of the American Psychological Society, Miami, FL.
- Geary, D. C. (2000, June). Learning mathematics. Cross-cutting symposium, Psychological Research and Educational Practice and Policy. Annual meeting of the American Psychological Society, Miami, FL.
- Geary, D. C. (2000, June). Evolution and developmental sex differences. Annual meeting of the American Psychological Society, Miami, FL.
- MacDonald, K. B., & Geary, D. C. (2000, June). The evolution of general intelligence: Domain-general cognitive mechanisms and human adaptation. Presented at the annual meeting of the Human Behavior and Evolution Society, Amherst, MA.
- Geary, D. C. (2000, October). Sexual selection and human sex differences in brain and cognition. Invited colloquia, Lecture Series on Ecology, Evolution & Behavior, Division of Biological Sciences, University of Missouri, Columbia.
- Geary, D. C. (2001, March). Sexual selection and human sex differences in brain and cognition. Invited colloquia, Department of Psychology, University of Northern Illinois.

- Geary, D. C. (2001, April). Evolution, development, and sex differences. Symposium presentation, Evolutionary Developmental Psychology, at the biannual meeting of the Society for Research in Child Development, Minneapolis, MN.
- Geary, D. C. (2001, November). A Darwinian perspective on mathematics and mathematical development. Invited colloquia, Department of Mathematics, Washington University, St. Louis, MO.
- Geary, D. C. (2001, December). A Darwinian perspective on mathematics and mathematical development. Invited colloquia, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, Cambridge, MA.
- Geary, D. C. (2002, March). A Darwinian perspective on mathematics and mathematical development. Invited colloquia, Department of Psychology, Carnegie Mellon University, Pittsburgh, PA.
- Geary, D. C. (2002, March). Brain and cognitive evolution: Forms of modularity and functions of mind. Invited colloquia, Department of Psychology, Carnegie Mellon University, Pittsburgh, PA.
- Geary, D. C. (2002, May). What is the evolutionary *raison d'être* of lifetimes. Invited colloquia, Department of Psychology and Neuroscience, and Canadian Center for Behavioral Neuroscience, University of Lethbridge, Lethbridge, Alberta, Canada.
- Geary, D. C., Hoard, M. K., & Byrd-Craven, J. (2002, November). Mathematics and learning disabilities. Invited symposium speak, annual conference of the International Dyslexia Association, Atlanta, GA.
- Byrd-Craven, J., Hoard, M. K., & Geary, D. C. (2002). Counting span, counting knowledge, and procedural competencies in children with mathematical disabilities. Presented at the annual meeting of the Psychonomic Society, Kansas City, MO.
- Geary, D. C. (2004, April). A Darwinian perspective on mathematics and mathematical development. Invited colloquia, Department of Psychology, Florida Atlantic University, Boca Raton, FL.
- Geary, D. C. (2004, November). The origin of mind: Evolution of brain, cognition, and general intelligence. Invited colloquia, Center for Adaptive Cognition, Max Planck Institute, Berlin, Germany.
- Geary, D. C. (2004, November). The origin of mind: Evolution of brain, cognition, and general intelligence. Invited colloquia, Institute for Psychology, Humboldt University, Berlin, Germany.
- Geary, D. C. (2004, November). What is the evolutionary *raison d'être* of lifetimes? Invited colloquia, Institute of Molecular Pathology, University of Vienna, Vienna, Austria.
- Geary, D. C. (2005, March). The origin of mind: Evolution of brain, cognition, and general intelligence. Invited colloquia, Department of Psychological Sciences, Purdue University, West Lafayette, IN.
- Geary, D. C. (2005, September). Does evolution explain women's advantages in social cognition? Invited symposium colloquia, Mind/Brain/Behavior Initiative, Harvard University, Cambridge, MA.
- Geary, D. C. (2005, September). Algebraic reasoning: Developmental, neurocognitive, and disciplinary foundations for instruction. Invited discussant, symposium co-sponsored by NIH, IES, NSF, and Brookings Institute, Washington, DC.
- Geary, D. C. (2006, May). Can evolution contribute to our understanding of sex differences in math and science abilities? Invited symposium colloquia, 4th annual Brain and Learning Conference, co-sponsored by Harvard School of Education, Dana Foundation, and others, Cambridge, MA.
- Geary, D. C. (2006, August). Sex differences in science and mathematics: Is an evolutionary perspective

- informative? Invited talk, plenary symposium, annual meeting of the American Psychological Association. New Orleans, LA.
- Geary, D. C. (2006, September). The origin of mind: Evolution of brain, cognition, and general intelligence. Invited colloquia, Department of Linguistics and Philosophy, University of Delaware, Willington, DE.
- Geary, D. C. (2006, September). Does evolution explain women's advantages in social cognition? Invited colloquia, Cognitive Science Lecture Series, University of Delaware, Willington, DE.
- Geary, D. C., Hoard, M. K., Byrd-Craven, J., & Nugent, L. (2007, March). Cognitive mechanisms underlying achievement deficits in children with mathematical learning disability. Presented at the biannual meeting of the Society for Research in Child Development. Boston, MA.
- Menon, V., Wu, S., Keller, K. E., & Geary, D. C. (2007, March). Neural basis of mathematical skill development. Presented at the biannual meeting of the Society for Research in Child Development. Boston, MA.
- Wu, S., Keller, K. E., Geary, D. C., & Menon, V. (2007, March). Neural basis of rapid retrieval of simple addition facts in 2nd and 3rd grade children. Presented at the biannual meeting of the Society for Research in Child Development, Boston, MA.
- Anguiano, J., Wu, S., Keller, K., Geary, D., & Menon, V. (2007, June). Neural basis of differential mathematical strategy use in children. Presented at the 13th Annual Meeting of the Organization for Human Brain Mapping, Chicago, IL.
- Geary, D. C. (2007, October). An evolutionary twist on sex, mathematics, and the sciences. Invited talk for conference on Women in Science. American Enterprise Institute, Washington, DC.
- Geary, D. C. (2008, May). An evolutionary twist on sex differences in mathematics and science. Invited seminar, Darwin Center, London School of Economics, London, UK.
- Geary, D. C. Hoard, M. K., Nugent, L., Bailey, D. H., & Wood, P. (2008, May). Cognitive deficits in children with mathematical learning disability: A longitudinal, latent class analysis. Invited talk Institute of Education, University of London, London, UK.
- Geary, D. (2008, November). Learning mathematics: Findings from the national (U.S.) mathematics advisory panel. Keynote address, international conference on issues and proposals in mathematics education sponsored by the Gulbenkian Foundation and the Portuguese Mathematical Society, Lisbon, Portugal.
- Geary, D. C. (2009, April). Evolutionary developmental psychology: Implications for modern education. Symposium presentation, biannual meeting of the Society for Research in Child Development, Denver, CO.
- Cho, S., Wu, S. S., Anguiano, J. M., Geary, D. C., & Menon, V. (2009, June) Neural correlates of individual differences in children's strategy use during early mental arithmetic learning. Presented at the 15th Annual Meeting of the Organization for Human Brain Mapping, San Francisco, CA.
- Rosenberg-Lee, M., Kondos, L., Barth, M., Geary, D., & Menon, V. (2009, June). Neural deficits underlying mathematical disability in children. Presented at the 15th Annual Meeting of the Organization for Human Brain Mapping, San Francisco, CA.
- Geary, D. C. (2009, July). Origin of mind: Evolution of brain, cognition, and general intelligence. Plenary address, summer institute, International Society for Human Ethology, Orono, ME.
- Geary, D. C. (2009, October). The evolved mind and the creation of culture: Implications for scientific discovery and learning. Invited address, From Child to Scientist: Mechanisms of Learning and Development A Festschrift in honor of the scientific and educational contributions of David Klahr, 37th Carnegie

symposium on cognition. Pittsburgh, PA.