

Jeffrey W. Gilger, Ph.D.

Purdue University
College of Education
Dean's Complex
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Current Positions

Associate Dean for Discovery (Research) and Faculty Development
Professor, Special Education
Courtesy Professor, Department of Psychological Sciences

Education

Ph.D.: University of California, Santa Barbara, 1987
Developmental Psychology/Behavioral Genetics

M.A.: University of California, Santa Barbara, 1984
Experimental Psychology/Personality

M.S.: California State University, Hayward, 1982
Clinical Child/School Psychology

B.A.: California State University, Hayward, 1980
Psychology/Abnormal and Clinical Psychology

Selected Formal Continuing Education/Professional Development

Third International Course on Twin Methodology, Institute for Behavioral Genetics,
University of Colorado

Annual Genetic Segregation Analysis Workshop Using SAGE, Louisiana State
University Medical Center

Jackson Laboratories Short Course on Medical and Experimental Mammalian Genetics,
Bar Harbor, Maine

Media Training Workshop, Washington, DC

Media training Workshop ,Purdue University Media Relations

Strategic and Visionary Planning Workshops, Paradise, TX and Washington, DC
Diversity Training and Awareness Workshops, Purdue University

Development and Fund Raising Workshops, Purdue University

Not for Profit Development Workshops, Baltimore. MD

Fairness in Tenure, Promotion and Review Process, United Educators Telephone Roundtable

Present Employment (Administration)

ASSOCIATE DEAN FOR DISCOVERY AND FACULTY DEVELOPMENT, July 2004-current:

The Associate Dean is responsible for the overall administrative leadership and management of the research and faculty development aspects of the College, including personnel issues. This also includes supervising and consulting with staff and faculty on issues related to grant, contract, idea development and submission, program management, and college communications and publications (PR). The Associate Dean also facilitates the growth of interdisciplinary projects and centers. This office represents the College to other units within Purdue (Provost, Vice President for Research, Sponsored Programs, etc.) as well as outside agencies (e.g., NSF, U.S. Department of Education, NIH, private foundations, etc.). The College is comprised of roughly 70 tenure-track faculty, 40 full time staff, and a significant number of additional part-time faculty and other support personnel. With some 900 undergraduate and 500 graduate students, the College is comprised of two main departments with 18 undergraduate and 25 graduate degree programs. The overall operating budget is approximately \$17 million. In the past 4 years the College has made more than 26 faculty hires, completed a 5 year strategic plan, and participated in the University's capital campaign. Some measures of success include the raising of \$16 million in foundation monies, the establishment of 6 new interdisciplinary centers, a 300% increase in external grant submissions, more than a tripling of external funding, large increases in the number of collaborative projects by faculty, and an improvement in our national ratings. *See additional information in cover letter.*

Previous Professional Employment (Administration)

PROFESSOR & CHAIR, DEPARTMENT OF CHILD AND FAMILY STUDIES AND PROFESSOR OF COMMUNICATION DISORDERS, CALIFORNIA STATE UNIVERSITY, LOS ANGELES (CSULA), August 2001-July 2004:

The Chair, is responsible for all academic, fiscal and personnel matters in the department. During 2001-2004 the department was the largest on campus in terms of credit hours generated with approximately 1300 undergraduate and 200 graduate students, 10 full time faculty (tenure track), 3 full time staff, roughly 7 part time faculty, and additional part time staff. During 2001-2004, 3 new faculty were hired, and there was an increase in external funding and grant submissions from roughly \$0.0 to \$1.5 million. Faculty scholarship improved in spite of heavy teaching demands, publications increased and several promotions were shepherded through successfully. It was also necessary to deal with articulation and accreditation demands of California state that required a revision of the entire curriculum. This department was recognized as one of the leaders on campus for its faculty and student diversity. Budgetary cut backs and union

issues required a “creative approach” to leadership.

DIRECTOR, MULTIDISCIPLINARY HUMAN BIOLOGY PROGRAM, UNIVERSITY OF KANSAS (KU), August 1996-June 2001:

The Human Biology Program involved a coordinated interdisciplinary curriculum comprised of the Departments of Biology, Communications Sciences & Disorders, Anthropology, Psychology and Human Development. The program had several specialized courses that were supervised or taught by the Director (e.g., Human Biology seminar) and then it utilized already existing faculty and courses in the aforementioned departments. From 1996-2001, the program was completely overhauled with new requirements, the addition of a BGS degree, and the establishment of a Human Biology Advisory Committee. It became one of the more popular undergraduate majors on campus, grew to some 250 enrolled students and took its place as a main conduit at KU for post BA medical school and allied health professions.

Previous Professional Employment (Other Academic, Teaching, Research)

ADJUNCT, COURTESY OR REGULAR TENURE-TRACK FACULTY, KU, 1994-2001:

Departments of Speech-Language Hearing Sciences and Disorders, Biology, Psychology, the Life Span Institute, the Genetics Program, the Gerontology Program, the Child Language Program, the Neuroscience Program

RESEARCH FACULTY PROFESSOR & LAB SUPERVISOR, UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES & VA MEDICAL CENTER NEUROPSYCHIATRY LAB, 1992-1994

RESEARCH ASSOCIATE, UNIVERSITY OF DENVER, DEPARTMENT OF PSYCHOLOGY, 1989-1992

FELLOW IN DEVELOPMENTAL PSYCHOBIOLOGY, UNIVERSITY OF COLORADO & UNIVERSITY OF DENVER, DEPARTMENTS OF PSYCHIATRY & PSYCHOLOGY, 1989-1990

FELLOW IN PSYCHIATRIC GENETICS, UNIVERSITY OF IOWA MEDICAL SCHOOL, DEPARTMENT OF PSYCHIATRY, 1987-1989

Professional Experience (Teaching)

PURDUE: Psycho-educational, medical and physical aspects of individuals with disabilities; Graduate Research Seminar; 6 Doctoral/Thesis committees; Special topics seminar for undergraduates

CAL STATE LA: Research Design in Child Development; Genetics of Language-Learning Disorders; 8 Thesis committees

UNIVERSITY OF KANSAS: Survey of Communication Disorders; Human Biology Seminar; Human Behavioral Genetics; Genetics of Language and Cognition; Undergraduate Honors; Independent Study; Lab/Field Work in Human Biology; Genetics of Communication and Learning Disorders; Professional Issues Seminar; Independent

Study; Communication Disorders in Special Populations; Master's Thesis; Readings in Behavioral Genetics and Language Development; Seminar in Child Language; Advanced Seminar in Behavioral Genetics; Multiple thesis and dissertation committees

UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES: Instructor in Psychiatric Genetics; Lecturer on learning disabilities and attention deficit disorders

UNIVERSITY OF DENVER: Introduction to Statistics; Correlation & Regression Methods

UNIVERSITIES OF JYVASKYLA AND HELSINKI, FINLAND: Visiting Scholar in Developmental Psychology and Behavioral Genetics

UNIVERSITY OF IOWA: Training in Psychotherapy

UNIVERSITY OF CALIFORNIA, SANTA BARBARA (AS GRADUATE STUDENT): Personality Laboratory; Experimental Design, Measurement & Statistics; Introduction to Child Development

UNIVERSITY OF CALIFORNIA, SANTA BARBARA, TEACHING ASSISTANTSHIPS: General Psychology; Experimental Psychology; Developmental Psychology; Statistics; Personality Psychology; Psychology of Perception; Organizational Psychology

CALIFORNIA STATE UNIVERSITY, HAYWARD (TA AS GRADUATE STUDENT): Child Psychopathology

Graduate Advising, Dissertation, Thesis, and Exams

Elizabeth Hanebuth, BA, Psychology, University of Denver, 1992

Melissa Rempfer, MA, Psychology, KU, 1995

Karla Rice, MA, Child Language, KU, 1996

Mike Hammer, MA, Speech-Language-Hearing, KU, 1998

Nick Englen, MA, Speech-Language-Hearing, KU, 1998

Mary Beth Sheenan, MA, Speech-Language-Hearing, KU, 1998

Kathy Edmonds, MA, Speech-Language-Hearing, KU, 1999

Committee member 9 MA students, Speech-Language-Hearing, KU, 1995-1999

8 MA students from Cal State, LA, 2001-2004

Alexa Pfeffer, PhD, Biological Anthropology, KU, 2000

Sandra M. Smith, Education, PhD, The Union Institute, 1990

Greg Kutey, PhD, Microbiology, KU, 1997

Sobha Puppala, Biological Anthropology, KU, (MA 2000/PhD 2001)

Joe McComb, PhD, Biological Anthropology, KU, 1999

Rector Ayra, PhD, Biological Anthropology, KU, 1999

Lisa Martin, PhD, Biological Anthropology, KU, 2000

Aaron Sumner, PhD, Psychology, KU, 2001

M J Mosher, Biological Anthropology, KU, (MA 2000/PhD 2001)

M Ellerd, PhD, Biological Anthropology, KU, 2001

Lisa Sworowski, PhD, Psychology, KU, 2000

Sandy SciaScia, PhD, Biology, KU, 1999

K. North, PhD, Biological Anthropology, KU, 2000

S. Wise, PhD, Learning Disabilities, North Western U, External Advisor

M. Wilkins, PhD, Counseling, Purdue, In progress

Pat Connolly, PhD, Educational Technology, Purdue, 2007
Olumide Ayodeji Olulade, PhD, Electrical Engineering, Purdue, in progress
Megan Arnold, PhD, Special Education, Purdue, in progress
Jiyeon Lee, PhD, Special Education, Purdue, in progress
4 other MA/PhD committees, Purdue, in progress

Previous Professional Employment (Other)

PSYCHOLOGIST, Psychiatric Outpatient Clinic Department of Psychiatry, University of Iowa General Hospital, 1987-1989.

SCHOOL PSYCHOLOGIST, Castro Valley Unified School District, CA, 1980-1982.

COUNSELOR, Psychological Services Center, California State University, Hayward, CA , 1980-1982.

COUNSELOR, Youth Homes Residential Treatment Center, Inc., Walnut Creek, CA, 1979-1980.

Credentials

Ryan Pupil Personnel Services Credential
California School Psychologist Credential

Honors & Awards

California State University, Hayward, Graduation with High Honors
National Dean's List
Distinguished Young Investigator Award in Cognitive Science, National Dyslexia Research Foundation, 1992
Bi-annual research award of the Rita Rudel Foundation, 1992
Nominated as Favorite Professor, Biology, 1997, 1998, 1999
Nominated as Favorite Professor Speech-Language Hearing, 1997-1998
Nominated 2008 Fellow Status, AERA

Membership in Professional Organizations

American Psychological Association
American Society of Human Genetics
Behavior Genetics Association
International Dyslexia Association (and officer and Board Member)
American Educational Research Association (and President – Elect r and Program Chair for the Brain and Neurosciences SIG)
The Dyslexia Foundation (and Scientific Advisor/Board Member)
International Mind, Brain, Education Society

Selected Service and Committee Work***Purdue:***

Associate Dean, 2004-current
PU Omega-3 Learning and Health Consortium, Oversight Committee
COE Emergency Response Coordinator
Interim Math/Science Center Director
Interim Engagement Center Director
National and State University Accreditation Committee
College PR & Communications Consultant
Discovery Learning Center Advisory Board
Departmental and College Promotion-Tenure Committees
Faculty Affairs Committee Dean's Liaison
University Strategic Research Initiatives Committee
Faculty Research Review Board
Various Proposal Review Boards for PU and Affiliates
Search Committee for VP of Research
Purdue Research Foundations Proposal Committee
Discovery Park/Business Foundation Entrepreneurial Board
Graduate Student and Faculty Awards Committee
Chair, Undergraduate Research Trainee Program
COE Dean's Leadership Team
Faculty Hire/Search Committees
Special Education Program Committee
Various Task Forces or Ad Hoc Committees
Technology/Computing Unit Committee
PU Sponsored Programs External Review Board
Chair, Council of College Centers, Institutes and Labs
Promotion and Tenure Policy Chair
Pandemic Committee Chair for the COE
Chair and Developer of Graduate Student Research Symposium
Chair, Department Head Review Committee
VPR Committee on the PU Development of Research Cores
PU Standing Committee on Research Ethics & Integrity
Others not listed here

Cal State L.A. (CSULA):

Departmental Chair, 2001-2004
Departmental Retention/Promotion (RTP) Committee
College of Health and Human Services (HHS) Fiscal Affairs Committee
HHS Undergraduate Committee
CSULA Elementary Subject Matter Task Force for the California Teacher Credential Association
CSULA Program Review Committee
Department of Communication Disorders (COMD) Recruitment Committee
COMD RTP Committee
Child and Family Studies Undergraduate and Graduate Curriculum Committees
Community Child Advisory Committee, City of Los Angeles

Undergraduate Student Retention Panel
Community College Articulation Advisory Panel
Teacher Education/Preparation Standards Committee
Others not listed here

KU:

Director, Human Biology Program, 1996-2001
Speech Language and Hearing (SPLH) Continuing Education Liaison
SPLH Ad-hoc Committee on Research Training
SPLH Committee on Graduate Admissions
SPLH Undergraduate Survey
SPLH and KU Medical Center Intercampus Program Executive Committee
SPLH Scholarship Committee
SPLH Graduate and Undergraduate Advising
Human Biology Faculty and Program Development Committee
Life Span Institute Continuing Education in Statistics
KU Medical Center Statistical Consultant
Human Biology Program student advising
Human Biology Honors Program Director
Gerontology Program Faculty Committee
Genetics Program Faculty Committee
Child Language Program Faculty Committee
Graduate Program in Neuroscience Faculty Committee
Genetics Executive Committee
UG Biology Committee
Health Sciences Committee
Dean's Advisory Committee on Human Biology Program
Student Advisor Representative for Overseas Education
University Committee on Graduate Studies
New Student Orientation Program Committee
Others not listed here

Other Service National/International Level:

International Dyslexia Association (IDA), Board of Directors and former Vice-President, 1995-2005

International Dyslexia Association, Chair, Research Subcommittee, 1995-2005

Various IDA Committees on Conferences, Continuing Education, Fund Raising and Development Campaigns, Publications, Strategic Planning, Personnel Review, other, 1995-current

IDA/NIH Consensus Committee on the Definition of Reading Disabilities, 1999-2001

IDA/NCLD/NIH Consensus Committee on the Definition of LD, 2006

Chair, Task Force on the Formation of a Multicenter Dyslexia Brain Tissue and MRI Database, 1999-2003

Board Member of the Research Committee of the Alliance For Accreditation and Certification of Structured Language Education, Inc. 1998-current

Scientific Advisory Board Member, The Dyslexia Foundation, 2001-current

Advisory Board Member, International Multisensory Structured Language Education Council (IMSLEC), 1998-current

Scientific Peer Review/Advisory Board, the Scottish Rite Masons Learning Centers for Children

AERA SIG Brain, Neurosciences and Education, Secretary and Program Chair, 2006-current; President-elect.

Scientific Advisor, Dyslexicdreams Foundation

Elected Member, Professional Advisory Committee for the Scottish Rite Mason's Children's Learning Centers

External/Internal Grant Review Work

Council for the Humanities of the Netherlands Organization for Scientific Research
Funding Review Board, Veteran's Administration Medical Center
Funding Review Board The University of Arkansas for Medical Sciences
Chair, Research Funding Review Board, International Dyslexia Association
The Wellcome Trust, UK
Finnish Academy of Science
NIH Study Section, BBBP3/BBBP4
NIH Study Section SNEM/Behavior Genetics and Epidemiology (BGES -- formerly SNEM2)
NSF Linguistics Program
Child Health Research Office, Alberta Children's Hospital
Various funding review boards for internal grants at Purdue
Barth Syndrome Foundation

Guest Reviewer or Editorial Consultant (over past 10 years)

Archives of General Psychiatry
Cambridge University Press
American Journal of Psychiatry
Reading & Writing: An Interdisciplinary Journal
Neuropsychologia
Developmental Neuropsychology
Kluwer Academic Press
Behavior Genetics
New England Journal of Medicine
Schizophrenia Bulletin
Schizophrenia Research
Behavioral and Brain Sciences

Human Biology
 Development and Psychopathology
 J of Speech- Hearing Research
 J of Learning Disabilities
 Trends in Cognitive Science
 American J of Speech Language Pathology
 J of Current Psychology of Cognition
 American Journal on Mental Retardation
 J of Child Psychology Psychiatry & Allied Disciplines
 American J of Human Genetics
 Educational Psychology Review
 Language, Speech, Hearing Services, Special Interest Division 2 Reports
 Wadsworth Publishers
 Nature: Medicine
 Science
 Nature: Genetics
 The Journal of Gerontology: Social Sciences
 Social Science & Medicine: An International Journal
 Annals of Dyslexia
 European J of Child and Adolescent Psychiatry
 Child Development
 Learning Disabilities Research and Practice
 Scientific Studies of Reading
 J. of Post Graduate Medicine
 Journal of Research in Adolescence
 MIT Press
 Biological Psychiatry
 IDA Press
 Mainstreams Children's Books
 Sage Publishers; other

Editorial Board Member

Journal of Learning Disabilities (former)
 Annals of Dyslexia
 Journal of Applied School Psychology
 Journal of Speech, Language and Hearing Research (former)
 Developmental Neuropsychology
 Dyslexia

Guest Associate Editor or Guest Editorships

Journal Speech, Language and Hearing Research
 Human Biology
 Journal of Learning Disabilities
 ASHA Neurogenics
 International Dyslexia Association Perspectives
 International Dyslexia Press (2 books)
 Dyslexia

Other Specialized Review Service

External Program Reviewer

Ft. Wayne, IN, Children's Learning Center
International Dyslexia Association, Baltimore, MD
Scottish Rite Mason's National Children Development Centers, Eastern USA
Academic and Research Programs at Shelton School, Dallas, TX
Neuhaus Center Research and Academic Programs, Houston, TX

Publications

Refereed Journals

Gilger, J., & Hynd, G. (2008). Neurodevelopmental Variation as a Basis for Thinking About the Twice Exceptional. Roeper Review, 30, 214-228.

Anthoni, H., Lewis, B., Fan, X., Zucchelli, M., Miscimarra, L., Tapia, I., Taipale, M., Stein, C. Gilger, J. et al., (Nature; In review). Aromatase gene regulates cognitive functions for reading disability and language disorders.

Craggs, J. Sanchez, J., Kibby, M., Gilger, J. & Hynd, G. (2006). Brain morphological and neuropsychological profiles of a family displaying superior nonverbal intelligence and dyslexia. Cortex, 42, 1107-1118.

Hartman, N.W., Connolly, P.E., Gilger, J.W., Bertoline, G.R., & Heisler, J. (2006). Virtual Reality-based spatial skills assessment and its role in computer graphics education. Presentation Proceedings of the ACM SIGGRAPH Annual Conference, Boston, Massachusetts, USA, July 30 – August 3, 2006. Article #46 see: <http://portal.acm.org/citation.cfm?id=1179342&dl=GUIDE&coll=GUIDE&CFID=15151515&CFTOKEN=6184618>

Hartman, N.W., Connolly, P.E., Gilger, J.W., & Bertoline, G. (2006). Developing a virtual reality-based spatial visualization assessment instrument. Presentation Proceeding of the American Society for Engineering Education Annual Conference, Chicago, Illinois, USA, June 18-21, 2006. See: <http://www.asee.org/acPapers/code/getPaper.cfm?paperID=11128&pdf=2006Full190.pdf>

Miller, C.J., Miller, S., Bloom, J.S., Jones, L., Lindstrom, W., Craggs, J., Garcia-Barrera, M., Semrud-Clikeman, M., Gilger, J.W. & Hynd, G.W. (2006). Testing the Double Deficit Hypothesis in an Adult Sample. Annals of Dyslexia, 56, 83-102.

Gilger, J.W. & Kaplan, B. (2001). The neuropsychology of dyslexia: The concept of Atypical Brain Development. Developmental Neuropsychology, 20 (2) 469-486.

Gilger, J.W. (Editor; 2001). Introduction to Special Issue: Current issues in the neurology and genetics of learning-related traits and disorders. Journal of Learning Disabilities, 34, 490-491.

Gilger, J.W., H-Z Ho, A. Whipple, & R. Spitz. (2001). Genotype-environment correlations for language-related abilities: Implications for typical and atypical learners. Journal of Learning Disabilities, 34, 491-502.

Gilger, J.W.(2000) Contribution and promise of human behavioral genetics. Human Biology, 72 (1), 229-255.

Gilger, J. (1998). Late talking toddlers may have special genes. Nature (Medicine), 4, 7-8.

Gilger, J.W. & Hershberger, S. (Editors, 1998). Human behavioral genetics: A synthesis of quantitative and molecular Approaches. Special issue Human Biology, 70 (2), 155-432.

Gilger, J.W. & Hershberger, S. (1998). Human behavioral genetics: A synthesis of quantitative and molecular approaches. Introduction to Special issue Human Biology, 70 (2), 155-158.

Gilger, J.W., B. F. Pennington, P. Green, R. Harbeck, B. Kotzin, J. C. DeFries, & S. Smith (1998). A twin and family study of the association between immune system dysfunction and dyslexia using blood serum immunoassay data and survey data. Brain and Cognition, 36, 310-333.

Gilger, J.W., Hanebuth, E., Smith, S.D., & Pennington, B.F. (1996). Differential risk for developmental reading disorders in the offspring of compensated versus noncompensated parents. Reading and Writing: An Interdisciplinary Journal, 8, 407-417.

Gilger, J.W. (1996). Genes, environment and sex differences in mathematical ability. Brain and Behavioral Sciences, 19 (12), 255-256.

Gillis-Light, J., Pennington, B.F., Gilger, J.W., & DeFries, J.C. (1995). Genetic etiology of comorbid reading and hyperactivity deficits. Developmental Neuropsychology, 11, 323-336.

Bracha, H.S., Lange, B., Pritmohinder, G.S., Gilger, J.W., Torrey, E.F., Gottesman, I.I., McCray, D. (1995). Subclinical microcrania, subclinical macrocrania, and fifth-month fetal markers (of growth retardation or edema) in schizophrenia: A co-twin control study of discordant MZ twins, Neuropsychiatry, Neuropsychology, and Behavioral Neurology, 8 (1), 44-52.

Gilger, J.W. (1995). The right-shift theory of handedness and cerebral dominance: Goodness of fit and evolution. J of Current Psychology of Cognition, 14, 543-549.

Gilger, J.W. (1995). Behavioral genetics: Concepts for research in language and language disabilities. Journal of Speech and Hearing Research, 38, 1126-1142.

Gilger, J.W. & Pennington, B.F. (1995). Why associations among traits do not necessarily indicate their common etiology: A comment on the Geschwind-Behan-Galaburda Model. Brain & Cognition, 27, 89-93.

Gilger, J.W., Borecki, I., DeFries, J.C., & Pennington, B.F. (1994). Commingling and segregation analysis of reading performance in families of normal reading probands. Behavior Genetics, 24, 345-355.

Stevenson, J., Pennington, B.F., Gilger, J.W., DeFries, J.C., & Gillis, J. ADHD and spelling disability: Testing for shared genetic aetiology. (1993). Journal of Child Psychology, Psychiatry, & Allied Disciplines, 34, 1137-1152.

Gilger, J.W., Pennington, B.F., & DeFries, J.C. (1992). A twin study of the etiology of comorbidity: Attention Deficit Hyperactivity Disorder and Dyslexia. Journal of the American Academy of Child & Adolescent Psychiatry, 31 (2), 343-349.

Reite. M., Schuneman, D., Gilger, J.W., & Bocia, M. (1992). Auditory magnetic source localization twins. Brain Research Bulletin, 28 (4), 641-645.

Gilger, J.W., Pennington, B.F., Green, P., Smith, S.A., Smith, S.M. (1992). Dyslexia, immune disorders, and left-handedness: Twin and family studies of their relations. Neuropsychologia, 30 (3), 209-227.

Gillis, J., Gilger, J.W., Pennington, B.F., & DeFries, J.C. (1992). Attention Deficit Hyperactivity Disorder in Reading Disabled Twins: Evidence for a genetic etiology. Journal of Abnormal Child Psychology, 20 (3), 303-316.

Gilger, J.W. (1992). Using self-report and parental-report survey data to assess past and present academic achievement in adults and children. Journal of Applied Developmental Psychology, 13, 235-256.

Pennington, B.F., Gilger, J.W., Olson, R., DeFries, J. (1992). External validity of age versus IQ discrepant diagnoses in reading disability: Lessons from a twin study. Journal of Learning Disabilities, 25 , 562-573.

Wadsworth, S., DeFries, J.C., Stevenson, J., Gilger, J.W., & Pennington, B.F. (1992). Gender ratios among reading-disabled children and their siblings. Journal of Child Psychology, and Psychiatry, and Allied Disciplines, 33 (7), 1229-1239.

Gilger, J.W. (1992). Genetics in disorders of language. Clinics in Communication Disorders, 2 (4), 37-49.

Geary, D.C., Gilger, J.W., & Elliot-Miller, B. (1992). Gender differences in three-dimensional mental rotation: A replication. Journal of Genetic Psychology, 153, 115-117.

Gilger, J.W., Geary, D.C., & Eisele, L. (1991). Reliability and validity of retrospective self-reports of pubertal events using twin, sibling, and college student data. Adolescence, 26 (101), 41-50.

Gilger, J.W., Pennington, B.F., & DeFries, J.C. (1991). Risk for reading disabilities as a function of parental history in three samples of families. Reading and Writing, 3, 205-217.

Pennington, B.F., Gilger, J.W., Pauls, D., Smith, S. A., Smith, S., & DeFries, J.C. (1991). Evidence for major gene transmission of developmental dyslexia. Journal of the American Medical Association, 266 (11), 1527-1534.

Gilger, J.W. (1991). Differential assortative mating found for academic and demographic variables as a function of time of assessment. Behavior Genetics, 21 (2), 131-150.

Geary, D.C., & Gilger, J.W. (1989). Age of sexual maturation and adult spatial ability. Bulletin of the Psychonomic Society, 27, 241-244.

Gilger, J.W., & Ho, Hsiu-Zu (1989). Gender differences in adult spatial ability: Their relationship to pubertal timing, adolescent activities, and sex-typing of personality. Cognitive Development, 4, 197-214.

Gilger, J.W., Eliason, M.E., & Richman, L. (1989). A comparison of cognitive and behavioral patterns in learning disabled children: Subtype and gender differences. Developmental Neuropsychology, 5, 227-243.

Ho, Hsiu-Zu, Gilger, J.W., & Decker, S. (1987). A twin study of Bannatyne's "genetic dyslexic" subtype. Journal of Child Psychology, Psychiatry and Allied Disciplines, 29, 63-72.

Ho, Hsiu-Zu, Gilger, J.W., & Brink, T.M. (1986). Menstrual cycle effects on spatial information processing. Perceptual and Motor Skills, 63, 743-751.

Gilger, J.W., & Geary, D.C. (1985). Performance on the Luria-Nebraska Neuropsychological Test Battery-Children's Revision: A comparison of children with and without significant WISC-R VIQ-PIQ discrepancies. Journal of Clinical Psychology, 41 (6), 806-811.

Geary, D.C., & Gilger, J.W. (1985). The Luria-Nebraska Neuropsychological Test Battery-Children's Revision: An instrument for school psychologists? School Psychology Review, 14, 383-384.

Geary, D.C. & Gilger, J.W. (1984). The Luria-Nebraska Neuropsychological Battery-Children's Revision: Comparison of learning disabled and normal children matched on Full Scale IQ. Perceptual and Motor Skills, 58, 115-118.

Books & Chapters

Gilger, J. (due out 2008). Some Special Issues Concerning the Genetics of Dyslexia: Rethinking Multivariate Profiles, Comorbidities, and Genetic Correlations. Chapter in the Handbook of Dyslexia, edited by A. Fawcett, F. Manis, G. Reid and L. Seigel, Sage Publications.

Gilger, J. & Wilkins, M. (2008). Atypical Neurodevelopmental Variation as a Basis for Learning Disorders. In M. Mody & E. Silliman (Eds.), Language Impairment and Reading Disability: Interactions Among Brain, Behavior, and Experience. (Series on Challenges in Language and Literacy). Guilford Press.

Smith, S.D. & Gilger, J.W. (2007). Dyslexia and other language/learning disorders. In Rimoin, Connor, Pyeritz & Korf (Eds.; 5th edition), Emory and Rimoin's Principles and Practices in Medical Genetics. Livingstone Churchill: NY. Pps 2548-2569.

Gilger, J. & Kaplan, B. (2008). Atypical brain development in learning disorders. In Wolf, Schreiber & Wasserstein Adult Learning Disorders, Neuropsychology Handbook Series, Psychology Press.

Richardson, S. & Gilger, J. (Eds.; 2005). Research Based Education and Intervention: What We Need To Know. IDA Press.

Gilger, J.W. (2004) Theoretical and practical applications of genetics to developmental learning disorders. In M. Joshi (Ed.). Dyslexia: Myths, Misconceptions and Some Practical Applications.

Gilger, J.W. (2004) Theoretical and practical applications of genetics to developmental learning disorders. IDA Annual Commemorative Book. IDA Press.

Gilger, J.W. Genetics of language and literacy. (2004). In C. Addison Stone et al. (Eds.), Handbook of Language and Literacy Development and Disorders, Guilford Press.

Smith, S.D., Gilger, J.W. & Pennington, B.F. (2002). Dyslexia and other language/learning disorders. In Rimoin, Connor, Pyeritz & Korf (Eds.; 4th edition), Emory and Rimoin's Principles and Practices in Medical Genetics. Livingstone Churchill: NY. Pp. 2827-2865.

Kaplan, B. & Gilger, J.W. (2001). The concept of Atypical Brain Development for clinicians who work with developmental learning disabilities. In Fadjuhoff, P., Ahonen, T. and Lyytinen, H. (eds.), Learning Disabilities, from Research to Practise. Niilo Maki Institute Publications/NMI-Bulletin 3-4, 2001: Jyvaskyla, Finland. Pp. 60-75.

Gilger, J.W. (2001). Genetics of dyslexia, ADHD, autism and language impairments. In S. Gerber (Ed), Handbook of genetic communicative disorders. Academic Press.

Gilger, J.W., Borecki, I., Smith, S.D., DeFries, J.C., & Pennington, B.F. (1996). The etiology of extreme scores for complex phenotypes: An illustration using reading performance. In C. Chase, G. Rosen, & G. Sherman (Eds.), Developmental dyslexia: Neural, cognitive and genetic mechanisms. Baltimore, MD: York Press.

Pennington, B.F., & Gilger, J.W. (1996). How is dyslexia transmitted? In C. Chase, G. Rosen, & G. Sherman (Eds.), Developmental dyslexia: Neural, cognitive and genetic mechanisms. Baltimore, MD: York Press.

Bracha, H.S., & Gilger, J.W. (1996). Measuring turning behavior in humans. In K.P. Ossenkopp, M. Kavaliers, & P.R. Sanberg (Eds.), Techniques in the behavioral and neural sciences: Motor activity and movement disorders. Elsevier Press: Netherlands.

Smith, S.D., Gilger, J.W. & Pennington, B.F. (1996). Dyslexia and other language/learning disorders. In Rimoin, Connors & Pyeritz (Eds.), Emory and Rimoin's Principles and Practices in Medical Genetics. Livingstone Churchill: NY.

Gilger, J.W. (1996). Commentary on Rice and Wexler: The extended optional infinitive as a specific language impairment phenotype. In M. Rice (Ed.), Toward a genetics of language. Lawrence Erlbaum.

Gilger, J.W. (1996). How can behavioral genetics help us understand language and language disorders? In M. Rice (Ed.), Toward a genetics of language. Lawrence Erlbaum.

Gilger, J.W., Pennington, B.F., & DeFries, J.C. (1991). Risk for reading disabilities as a function of parental history in three samples of families. In B. F. Pennington (Ed.; 1991), Reading disability: genetics and neurological influences. Netherlands: Kluwer Academic Press.

Letters

Bracha, H.S., & Gilger, J.W. (1993). Second-trimester markers of fetal size in schizophrenia. American Journal of Psychiatry, 150, 1572.

Pennington, B.F. & Gilger, J.W. (1992). The relation between normal reading skill and developmental dyslexia: A comment on Shaywitz, et al. New England Journal of Medicine, 327, 280.

Gilger, J.W. (1991). A comment on twin analysis of comorbidity in psychiatry. American Journal of Psychiatry, 148 (10), 1412-1413.

Selected International/National Professional Publications

Gilger, J. W. (Editor/Contributor; Summer Issue, 2004). From Mice to Men: The role of our genes on the risk for reading-related disorders. IDA Perspectives.

Gilger, J.W. (2004). Genes and Dyslexia. IDA Fact Sheets.

Gilger, J. (November, 2003). People At Risk For Dyslexia: What Is The Genetic Contribution And How Do Genes Factor In? A Hypothetical Model Highlighting Essential Points. Chapter in the IDA 54th Annual Conference Commemorative Book.

Gilger, J.W. (April Issue, 2003). Genes and Dyslexia. IDA Perspectives.

Gilger, J.W. (1997). Language, language-related disabilities and genetics. Neurogenic and Lifespan Development of Communication Disorders, ASHA Special Interest Division Papers, 7, 5-10.

Gilger, J.W. & Stoke, C. (1997). The future of genetics in the fields of learning disabilities. Exchange: A publication of the LD Network, Spring/Summer (1),1-6.

Gilger, J.W. (Guest Editor, 1997). American Speech Hearing Association, Special Interest Division 2 Reports (Neurogenic and Lifespan Development of Communication Disorders), (Includes papers by J. Gilger, D. Molfese & D. Fox, and D. Loeb.), 7 (1), 1-28.

Unpublished Manuscripts/Published Technical Reports

Gilger, J. (2006). Evaluation of the Efficacy of the Ft. Wayne Clinical Programs. (Technical Report; 10 pages).

Gilger, J. (December, 2006). National Policy on Genetics and Genetic Testing for Learning Disorders. Adopted by International Dyslexia Association. (3 pages)

Gilger, J., O'Brien, B. Sherman, G., & Wolf, M. (2005) The Scottish Rite Treatment Evaluation Protocol: Phase I Report (Technical Report; 23 pages plus 25 Figures, 11 Tables, and Appendices).

Gilger, J. (2000) (Chair, with faculty). Child and Family Studies Revision and Response to New California State Teacher Education Requirements. (Technical Report with Curriculum, est. of pages, 25, excluding appendices).

Gilger, J. (1998-1999). Various written reports on advising the research needs for the future of Multisensory Reading Education. Submitted to the Shelton School, Dallas, TX; Neuhaus Center, Houston, TX; General meeting of ALTA/IMSLEC Representatives, Dallas, TX.

Gilger, J.W. (1987). The etiology of individual differences in spatial information processing: A behavioral genetic analysis. Unpublished PhD dissertation.

Gilger, J.W. (1984). Affective Memory: Variations in the Characteristics of Stimuli and Their Ability to Elicit an Emotional Experience. Unpublished MA thesis.

Gilger, J.W. (1982). The Performance of Children with Significant Verbal-Performance IQ Discrepancies on the Luria-Nebraska Neuropsychological Test Battery-Children's Revision. Unpublished MS thesis.

Gilger, J., & Ho, Hsiu-Zu. (1986). The application of signal detection theory to the study of spatial ability: Implications for research on individual differences and their genetic basis. University of California, Santa Barbara Cognitive Science Technical Reports (Tech. Rep.No. 8613).

Ho, Hsiu-Zu, Gilger, J.W., & Decker, S. (1986). A twin study of Bannatyne's "genetic dyslexic" subtype. University of California, Santa Barbara Cognitive Science Technical Reports (Tech.Rep. No. 8607).

Manuscripts In Progress

Gilger, J. (Editor and contributor). Future directions for science in the areas of neurology and genetics of reading and other learning disorders. Special Issue, Dyslexia, 2009.

Winters, D. Gilger, J. et al., (in progress). An efficacy study of remediation programs of the Scottish Rite Children Centers of North America.

Gilger, J. et al. (in progress). Neuroanatomical and Functional Brain Correlates of Noverbally Gifted Language-Learning Disabled Individuals.

Selected Active Collaborations

Summary of Ongoing Work

With Minna Torppa, Department of Psychology, University of Jyväskylä, Finland, Longitudinal Family Studies of LD in Finland

With G. Hynd, J. Kere & H. Lyytinen: Molecular genetic study of unique families with dyslexia and/or giftedness. NIH/Finnish Academy of Science

With T. Talavage: MRI study of twice exceptional individuals

With colleagues at Haskins Labs and Finland, and others: MRI & Neuropsychological study of twice exceptional dyslexics

With Scottish Rite Masons, the efficacy of reading remediation programs

Selected Grants, Proposals and Consultations

Note: As Dean for Research I serve on a number of proposals or contribute to their writing for submission—these are not listed here

Hartman, N. (PI).with J. Gilger et al., (Co-PIs). Lecture-based Virtual reality Instructional Experiences (submitted), PU Instructional Development Technology Grant, Purdue University, \$20,000

North, M. (PI) et al. (In review-member of scientific advisory board). A longitudinal quasi-experimental study on reading comprehension. IES

Gilger, J. (PI). A Neurodevelopmental Study of the Gifted and Twice Exceptional, the APA Esther Katz Rosen Grant for Research and Programs on Giftedness in Children, \$75,000; 2006-2007

Hartman, N., Bertoline, G. & Gilger, J (Co-PI). Developing a virtual spatial visualization assessment instrument. Discovery Learning Center Seed Proposal, Purdue University, \$20,000; 2005-2006

Gilger, J. (PI). Scottish Rite Study: Reading Remediation Research Project, Phase II. The Scottish Rite, Lexington, MA, 2005-2006

Sherman, G, Gilger, J., & Wolf, Maryanne (PIs). Scottish Rite Study: Reading Remediation Research Project, Phase I. The Scottish Rite, Lexington, MA, \$15,000; 2007-2008

Lee, Susan and the Korean Youth and Community Center (PI). Services to enrich education in Koreatown (SEEK). J. Gilger (Chair), program evaluation, methodology and consultation services on project. Approx. \$3,000,000 over 3 years. California Prop 10 proposal, 2001-2004.

Caldwell, B. (Gilger, J. consultant/collaborator). Indiana Space Grant Consortium, Approx. \$800,000 over 4 years, NASA, 2006-2010.

West, T. (Gilger, J. consultant). U.S. Library Science grant: Nobel prize families, Biography, 2001-current.

Lyytinen, H. (PI), Ahonen, T., Leiwo, P., Lyytinen, P. (J. Gilger, consultant). In search of the precursors to dyslexia. Finnish Academy of Science. Ongoing.

Gilger, J. (PI). Analysis of at-risk profiles in the Jyvaskyla Longitudinal Family Study of Dyslexia. University of Kansas, \$4,9000, 2000-2001.

Lyytinen, H. (PI), Ahonen, T., Leiwo, P., Lyytinen, P., & Gilger, J. In search of the precursors to dyslexia (Phase II). Finnish Academy of Science. Approximately \$400,000. Funded 1995-1997.

Gilger, J. (PI). Neuropsychological profiles of parents of children with autism. University of Kansas, \$4,700, 1999-2000.

Gilger, J.W. (PI). Experiential and genetic modulation of maturational traits: Speed of information processing as a model. University of Kansas, \$7,000.00. 1996-1997.

Lyytinen, H. (PI), Ahonen, T., Leiwo, P., Lyytinen, P., & Gilger, J. In search of the precursors to dyslexia (Phase I). Finnish Academy of Science. Approximately \$400,000. Funded 1993-1995.

Gilger, J.W. (PI). Genetic analysis of blood serum immunoassay data and their relationship to developmental dyslexia. Competitive award funded by the Rita Rudel Foundation for \$20,000 (direct costs), 1992-1994.

Gilger, J.W. (PI). University of Kansas Family Study of Speech and Language. University of Kansas, \$5000' 1995-1996.

Bracha, H.S. & Gilger, J.W. (Co-PIs). Prenatal markers of second trimester insult in dyslexia. Research /Development Fund, College of Medicine, University of Arkansas, \$19,390, 1993-1994.

Presentations/Meetings

Note: In my capacity as Associate Dean I give regular presentations on the promotion process, fund raising, grant process, mentoring, my research, and other. These are not listed here.

Invited

Gilger, J. with E. Grigorenko, M. Wolf and G. Sherman (2008). Chair and Discussant, Neuroscience, genetics and Education Symposium, AERA Annual Conference, March, NY.

Gilger, J. (2008). Genetics and Learning, Giftedness and Developmental Disorders. International Dyslexia Association-Midwest Regional Conference, Sioux City, Iowa.

Gilger, J. Neurodevelopment, dyslexia, giftedness and genetics. The World Summit on Learning disabilities, 2008. April, Lake Louise, Alberta Canada.

Gilger, J. (keynote). Atypical (But Natural) Neurodevelopmental Variation as a Basis for Thinking About the Gifted Dyslexic. The Brain Symposium at Newgrange School for LD, Princeton, NJ, March 28th, 2007.

Gilger, J. (inservice for teachers). Etiology of Dyslexia and Twice Exceptionality. Klondike School, Lafayette, IN, January, 2007.

Gilger, J. (speaker, consultant). Talk 1; What is Dyslexia? Talk 2; Consultation with Board on the Assessment of the Clinic Success, Vision and Strategic Plan. Ft. Wayne Clinic for the Treatment of LD (Olive Swenson, Director). December, 2006.

Gilger, J. Special Issues in the Definition of Dyslexia: Comorbidities, Profiles, and Exceptionalities. International Workshop in Helsinki on the Genetics/Neurology of Reading Problems, Biomedicum, Helsinki, Finland November 2006

Gilger, J. (lecturer). Summer School for Doctoral Students on EU-Projects. Jyvaskyla, Finland, June, 2006.

Gilger, J. (keynote). Genetics, Neurology and the Gifted Dyslexic. New Jersey Branch of the International Dyslexia Association, New Jersey, October, 2006.

Gilger, J. Pediatric Grand Rounds. University of Iowa Medical Center, Iowa City, IA, March, 2006.

Gilger, J. The genetics of dyslexia. The Indiana Branch of the International Dyslexia Association Annual Meeting, Indianapolis, March, 2006.

Gilger, J. (keynote). The Neurodevelopmental paradox of the gifted dyslexic. The Indiana Branch of the International Dyslexia Association Annual Meeting, Indianapolis, March, 2006.

Gilger, J. The Scottish Rite Treatment Data. Annual Directors Meeting of the Scottish Rite Masons, Lexington, Mass., April, 2005.

Gilger, J. Symposium on dyslexia and giftedness. Sponsored the Charles Schwab Foundation and IDA , Denver, CO, November, 2005.

Gilger, J. (Chair). Symposium on Reading Disorders: Physiology, Neurology and Environment. IDA, Denver, CO, November, 2005.

Gilger, J. The Neurology and Genetics of Nonverbally Gifted Individuals with Concomitant Verbal LD. Discover Meeting, GERI, W. Lafayette, IN, June, 2005.

Gilger, J. The Scottish Rite Treatment Data. Annual Directors Meeting of the Scottish Rite Masons, Lexington, Mass., April, 2005.

Gilger, J. Dyslexia and Giftedness Research Symposium. Southwest Branch of The International Dyslexia Association (SWIDA), February 11, 2005

Richardson, S. & Gilger, J. (Co-Chairs). Symposium on Research-Based Education and Intervention: What We Need To Know. IDA Annual Conference, PA, November, 2004.

Gilger, J. (invited audience participant). Capacity Building Forum for Public Schools (Scientifically Based Reading Practices); Sponsors: International Dyslexia Association, Office of Special Education and Rehabilitative Services (OSERS), National Institute of Child Health and Human Services (NICHD) , NCLD, DLD, and NRCLD, December 7th and 8th, 2004, Chicago

Gilger, J. Scottish Rite Symposium on The Scottish Rite Reading Remediation Research Project, January, 2005, Lexington, MA

Gilger, J. (keynote). Atypical brain development, genetics and language disorders. North Dakota State Chapter of Speech-Language-Hearing Association Annual Meeting, Minot, ND, October, 2004.

Gilger, J. Research and Practical Applications of Genetics and Neurology to the Field of Reading Disorders. Hawaii Branch of the International Dyslexia Association. Fall Symposium, 2004.

Gilger, J. (keynote). Genes, brain and dyslexia. Northern California Research Symposium, IDA, Spring, 2004.

Gilger, J. Reflections on Developmental Neuropsychology: Past, Present and Future. 20th Anniversary Honorary Symposium for Rita Rudel, New York, May, 2004.

Gilger, J. Genes, Development, and the Atypical Brain: Lessons on the Etiology of Learning/Language Disorders and a Model Towards Conceptualizing High and Low Learning Abilities. Second Annual Katherine G. Butler Symposium on Child Language, Clearwater, FL, March, 2004

Gilger, J. Second Annual Research Planning and Symposium on Neurology/Genetics of LD, Kiawah Island, SC, March, 2004

Gilger, J. Guest speaker on genetics and giftedness. The Annual Interdisciplinary Human Development Symposium, University of California, Santa Barbara, February, 2004

Eden, G., Ziffiro, T., Flowers, L & Gilger, J. The National Longitudinal Reading Project. IDA, San Diego, CA, November, 2003

Joshi, M. (Chair), Gilger, J.W., Moates, L., Brady, S., Wise, B., Tunmer, W. & Aaron, P.G. Symposium on Dyslexia: Myths, Misconceptions and Some Practical Applications, IDA, San Diego, CA, November, 2003

Gilger, J.W. Member of Research Planning Panel on Giftedness and Talents in Dyslexic Individuals. Special Panel by the Dyslexia Foundation, Boston, 2003, April 25-27th.

Gilger, J.W. Member of Research Planning and Symposium on Neurology/Genetics of Dyslexia, Kiawah Island, SC, 2003, April 27th-30th

Gilger, J.W. Atypical brain development, genetics and learning disorders. LA County/CA State Regional Assessment Institute, February, 2003.

Shaywitz, Shaywitz, Fletcher, Lyon, Catts, Gilger, Eden, Tomey, & Dickman. IDA/NIH Consensus Committee on the Definition of Reading Disabilities, Panel Meeting, August, 2002, Washington, DC.

Dickman, E., Gilger, J., Fletcher, J., Eden, G., Lyon, R., et al Preconference Symposium on the Definition, Neurology and Genetics of Learning Differences. IDA, October, 2002, Atlanta, GA

Gilger, J.W. Genetics and neurology of LD. University of Georgia, Athens, GA, November, 2001.

Gilger, J.W. Use of genetic and family designs to study the question of giftedness and special abilities in children. Panel on research. International Dyslexia Association Annual Meeting, October, 2001, October, NM

Gilger, J.W. Familial, neurological and genetic aspects of reading disorders. May, 2001, University of California, Santa Barbara, CA

Gilger, J.W. Behavioral genetics short Course, March, 2001, Northwestern University, IL

Gilger, J.W. The genetics of reading disability. Annual Spring Conference, March, 2001, Northwestern University, IL

Gilger, J.W. Gene-environment correlations for language-related traits. NIH, March, 2001

Gilger, J. Methods and applications of family designs to the study of cognitive traits. Northwestern University, August, 2000.

Gilger, J.W. Round table discussant and international panelist on the future of cross-cultural research on reading disabilities. International Dyslexia Association Annual Meeting, November, 2000, Washington DC

Gilger, J. Family studies of learning-related traits and child behavior. Brasilian Association on Learning Disabilities, Brasil, September-October, 2000.

Gilger, J. Methods and applications of family designs to the study of cognitive traits. Northwestern University, August, 2000.

Gilger, J. Implications of genetics for education. Bi-annual Conference on the Genetic Revolution and Schools. University of Nebraska, NE, April, 2000.

Gilger, J. (keynote). The inheritance and neurology of learning disorders: Research update and implications. Kansas Learning Disability Association, Topeka, November, 1999.

Gilger, J. Biological approaches to reading disability. National symposium on learning differences in the new millennium, Anne Arundel Community College, MD, October, 1999.

Gilger, J.W. (Chair and contributor). Panel on research and practical/legal policy implications of the field of genetics and language-learning disorders. IDA Annual Meeting, San Francisco, November, 1998.

Gilger, J.W. Biology and learning-language disabilities. Kansas-Nebraska Branch of IDA Annual Meeting, Topeka, October, 1998.

Gilger, J.W. Genetics and dyslexia. Nordic Conference on Psychology, University of Helsinki, Finland, August, 1998.

Gilger, J.W. Genetics and dyslexia. European Summer School and Annual Cost A8 Group Meeting, University of Jyvaskyla, Finland, August, 1998.

Gilger, J.W. & Crawford, M.H. Human behavioral genetics: A discipline in transition. International Congress of Anthropological and Ethnological Sciences, July, 1998.

Gilger, J.W. Comorbidity of attentional problems with learning disorders. 25th Anniversary Meeting of the New York Orton Dyslexia Society, March, 1998.

Gilger, J.W. Genetics in the fields of Speech-Language Pathology and Special Education. Blue Valley School District, February, 1998.

Gilger, J.W. Genetic Learning Disabilities. DOE/ELSI Human Genome Teacher Networking Project. Kansas City, August, 1997.

Gilger, J.W. The genetics of learning disabilities. National LD Network Educational Meeting, Boston, April, 1997.

Crawford, M., Hammer, M., Przybyla, E., T. Bouchard, & Gilger, J. The genetics of the acoustical characteristics of voice. Annual meeting of the American Association of Anthropological Genetics, St. Louis, April, 1997.

Gilger, J.W. Genetics of childhood and adolescent disorders. National LD Network Educational Meeting, Boston, April, 1997.

Gilger, J.W. Inservice training for special educators on learning disorders. Shawnee Mission School District, March, 1997.

Gilger, J.W. Genetics of language, learning, and behavioral disorders. Wyandotte/Kansas City School District, January, 1997

Gilger, J.W. (panel head). The future of genetics for teachers and clinicians. Kansas Association of Speech Language Pathologists and Audiologists, Kansas City, October, 1996.

Gilger, J.W. Speaker, National Conference on the Future of Genetics and the Schools, Lincoln, NE, November 8, 1996

Gilger, J.W. Contributions of behavioral genetics to our understanding of language disorders. ASHA National Tele-conference, March 22, 1996. *Instructional aids for an ASHA National Tele-conference, March 22, 1996.*

Gilger, J.W. The genetics of learning disabilities. National LD Network Educational Meeting, Boston, April, 1996

Gilger, J.W. In-service on the genetics of communication disorders. Shawnee-Mission School District. February 14, 1996.

Gilger, J.W. Immune disorders and reading disabilities: A molecular genetic approach to testing the Geschwind-Behan-Galaburda Model. The Rita Rudel Foundation, Manhattan College, New York, May, 1994.

Gilger, J.W. How can behavioral genetic research help us understand language disorders? Invited seminar for the American Speech and Hearing Association meeting, Anaheim, CA, November, 1993.

Landa, R.J., Gilger, J.W, Tomblin, B., & Lewis, B. Exploring the genetic basis of speech and language related disorders. Seminar for the American Speech and Hearing Association meeting, Texas, November, 1992.

Pennington, B.F., Gilger, J.W., Olson, R., & DeFries, J.C. In what sense is dyslexia a discrete disorder and which phonological processing skills underlie it? National Dyslexia Research Foundation Annual Meeting: Neural and Cognitive Mechanisms Underlying Speech, Language and Reading, Sante Fe, May 1992.

Gilger, J.W. Genetics of childhood disorders: The Iowa Family Study. Invited lecture, NIMH, Child Psychiatry Division, April, 1991.

Gilger, J.W., Pennington, B.F., DeFries, J.C. Risk for reading disorders as a function of parental history of learning problems: Data from three samples of families demonstrating genetic transmission. Rodin Remediation Foundation meeting on Genetic and Neurological Influences on Dyslexia, September 1990, Boulder.

Pennington, B.F., Gilger, J.W., Pauls, D., Smith, S.D., Smith S. A., DeFries, J.C. Complex segregation analysis of familial learning disorders. Rodin Remediation Foundation meeting on Genetic & Neurological Influences on Dyslexia, September 1990, Boulder.

Reviewed

Gilger, J., Talavage, T., Sanchez-Bloom, J., Olulade, O., Wilkins, M., & Hynd, G. (2008). A Neurodevelopmental Study of the Twice Exceptional: The Nonverbally Gifted Dyslexic. APA Annual Convention, Boston, August 2008.

Olulade, O., Talavage, T. & Gilger, J (2008). Characterization of verbal and spatial information processing in twice exceptional individuals. Annual Indiana Neuroimaging Symposium, Indianapolis, IN, April, 2008

Cowen, C., Gilger, J., Wolf, M., Pugh, K. et al. (2007). Welcome to the Future: As the Brain Changes the Environment and the Environment Changes the Brain, Where Are We Going? IDA Annual Conference, Dallas, TX, November, 2007.

H. Matsson, K. Tammimies, H. Anthoni, M. Zucchelli, G. Schulte-Körne, J. Nopola-Hemmi, H. Lyytinen, M., M. Nöthen, A. Warnke, J. Gilger, G. Hynd, J. Kere, M. Peyrard-Janvid. (2007). Refinement of a candidate locus for dyslexia on chromosome 7q31-q34. American Society of Human Genetics, San Diego, CA, October, 2007

Gilger, J. et al. (2007) Neuropsychology, neurology and genetics of a family with high spatial ability and low reading skills. IDA Annual Conference, Dallas, TX, November, 2007.

Winters, D., Gilger, J. & Wilkins, M. (2007). Independent analysis of the Masonic Learning Center Programs: Phase 2. IDA Annual Conference, Dallas, TX, November, 2007

Berlandi, J., Winters, D., Gilger, J., & Sherman, G. (2006). The efficacy of the Scottish Rite reading remediation program. Annual International Dyslexia Association Conference, Indianapolis, IN, November.

Gilger, J. (Symposium Chair; 2006). The exceptional and gifted dyslexic: Demographics, profile, causes and education. Annual International Dyslexia Association Conference, Indianapolis, IN, November.

Hartman, N.W., Connolly, P.E., Gilger, J.W., Bertoline, G.R., & Heisler, J. (2006). Virtual Reality-based spatial skills assessment and its role in computer graphics education. Presented at the ACM SIGGRAPH Annual Conference, Boston, Massachusetts, USA, July 30 – August 3.

Hartman, N.W., Connolly, P.E., Gilger, J.W., & Bertoline, G.R. (2006). Developing a virtual reality-based spatial visualization assessment instrument. Presented at the American Society for Engineering Education Annual Conference, Chicago, Illinois, USA, June 18-21.

Nicolson, R., Gilger, J., van der Leij, A. & Ullman, M. Learning Disabilities: What Do Commonalities Reveal? APS, NY New York, May, 2006

Berlandi, J., Sherman, G. & Gilger, J. (2005). The efficacy of the Scottish Rite reading remediation program. IDA, Denver, CO.

Gilger, J., Hynd, G., et al.. (2005). Neurobiological basis of gifted children. National Association for Gifted Children, Louisville, November.

Gilger, J., Sanchez-Bloom, J., Hynd, G., & Craggs, J. Brain Morphology of Family Members With Superior PIQs and Dyslexia. APA, Washington, DC, August, 2005.

Gilger, J., Sanchez, J., et al. Brain morphology and genetics of giftedness in a dyslexic family. IDA Annual Conference, PA, November, 2004.

Gilger, J. & Kaplan, B. New conceptualizations of dyslexia based on neurology, genetics and comorbidity patterns. IDA Annual Conference, PA, November, 2004.

Gilger, J.W., Sanchez, J., Miller, C. & Hynd, G. Genetic and Neurological Study of Superior Nonverbal Abilities in Families of Dyslexic Children, IDA, San Diego, CA, November, 2003.

Stevenson, J. & Gilger, J. Introductory paper on the genetic basis of neurobehavioral phenotypes: Methods, applications and controversies, Annual Conference of the American Association of Biological Anthropology, Tempe, AZ, 2003

Hynd, G., et al. (J. Gilger, Discussant). The University of Georgia Study of the Neurology & Genetics Dyslexia and ADHD. International Dyslexia Association, October, 2002, Atlanta, GA

Miller, C., Sanchez, J., Hynd, G. & Gilger, J. Verbal-Nonverbal reasoning discrepancies in an extended family: Is spatial reasoning heritable? INS, Honolulu, February, 2003

Gilger, J.W. (Chair; presenters D. Molfese & V. Molfese, R. Olson, H. Lyytinen, et al.). From birth to adulthood: Longitudinal studies of dyslexia and related conditions. Panel on research. International Dyslexia Association Annual Meeting, October, 2001, Albuquerque, NM

Lyytinen, H (Chair). The Neuropsychology of Dyslexia. (Richard Olson, John Stein, George Hynd, Jeff Gilger, Bonnie Kaplan and Utta Frith as panel members), XXVII International Congress of Psychology, Stockholm, July, 2000.

Kaplan, B. (Chair). Comorbidity in developmental disorders: What does it mean? Including J. Gilger on the relationship between immune disorders and learning disorders. International Neuropsychological Society, Denver, February, 2000.

Gilger, J. Genetics and dyslexia. 50th Annual Meeting of the International Dyslexia Association, Chicago, November, 1999.

Gilger, J.W., Pennington, B.F., Green, P., Harbeck, R., Kotzin, B., DeFries, J.C. & Smith, S. A population-based twin and family study of the Geschwind-Behan-Galaburda hypothesis of developmental learning disorders. Annual Meeting of the Behavior Genetics Association, Toronto, July, 1997.

Hammer, M., Gilger, J., Bouchard, T. & Crawford, M. A genetic analysis of voice characteristics in twins. Annual Meeting of the American Speech-Language-Hearing Association, Boston, November, 1997.

Gilger, J.W., Lyytinen, H., Ahonen, T., Leiwo, M., & Lyytinen, P. A longitudinal study of Finnish families genetically at-risk for developmental reading disorder: Preliminary data on the ability of parental variables to predict early infant ERP and motoric skills. Annual meeting of the Behavioral Genetics Association, June, 1996, Pittsburgh, PA.

Hanebuth, E., Gilger, J.W., et al. The effects of parental compensation of the risk to offspring for reading disorders. Annual Meeting of the Behavior Genetics Association, VA, May, 1995.

Gilger, J.W., et al. Genetic analysis of blood serum immunoassay data in dyslexic families. Annual Meeting of the Behavior Genetics Association, VA, May, 1995.

Bracha, H.S., Karson, C., Weinberger, D., Torrey, E.F., Bigelow, L.B., & Gilger, J.W., & Guggenheim, F.G. MRI Hippocampus-amygdala size correlates with dermal ridge counts (2nd trimester chromomarkers): A Discordant MZ twin Study. Third International Conference on Schizophrenia, Canada, August, 1994.

Bracha, H.S., Gilger, J.W., McCray, D., Torrey, E.F., & Karson, C.N. Schizophrenia: Head size correlates with 2nd trimester markers. Society of Biological Psychiatry, May, 1994.

Bracha, H.S., Gilger, J.W., McCray, D.S., Torrey, E.F., Bigelow, L.B., & Karson, C.N. Prenatal markers are correlated with head circumference in schizophrenic twins. American College of Neuropsychopharmacology meeting, December, Hawaii, 1993

Bracha, H.S., Torrey, E.F., Bigelow, L.B., & Gilger, J.W. Evidence for second trimester effects on brain growth in monozygotic twins discordant for schizophrenia. Arkansas Chapter of the Society for Neuroscience/Annual meeting of the Society of Neuroscience, Washington, D.C., November, 1993.

Gilger, J.W. & Bracha, H.S. Genetics of dyslexia and comorbid conditions. Arkansas Chapter of the Society for Neuroscience/Annual meeting of the Society of Neuroscience, Washington, D.C., November, 1993.

Gilger, J.W., Pennington, B.F., & Bracha, H.S. Current data on the genetics of dyslexia and comorbid conditions. Meeting of the World Congress on Psychiatric Genetics, October, 1993.

Bracha, H.S., Torrey, E.F., Bigelow, L.B., & Gilger, J.W. Evidence for second trimester effects on brain growth in monozygotic twins discordant for schizophrenia. Meeting of the World Congress on Psychiatric Genetics, October, 1993.

Gilger, J.W. & Bracha, H.S. Current data on the etiology of dyslexia. American Academy of Child and Adolescent Psychiatry meeting, October, 1993.

Bracha, H.S., Gilger, J.W., McCray, D.S., & Karson, C. Prenatal markers are correlated with head circumference in schizophrenic twins. American Academy of Child and Adolescent Psychiatry meeting, October, 1993.

Gilger, JW & Bracha, HS. The etiology of dyslexia: Current data. American Psychiatric Association meeting, May, 1993.

Gilger, JW, Mellon, D, Hanson, M, & Bracha, HS. Segregation analysis of verbal dysfluency in a large extended pedigree from the Utah-Idaho area. Behavior Genetics Association meeting, July, 1993.

Bracha, HS, Lange, B, Balkozar, A, Dugger, J, Gilger, J., & Livingstone, R. Do autistic children turn left or right? American Psychiatric Association meeting, May, 1993.

Pennington, B.F, Lefly, D., Porter, D., Green, P., & Gilger, J.W. A twin study of executive functions and their relation to ADHD. Presented at SRCD, New Orleans, 1993.

Gilger, J.W., Pennington, B.F., Borecki, I., & DeFries, J.C. Commingling and segregation analysis of complex psychological traits: Are extremes of normal variance etiologically distinct? Behavior Genetics Association Annual Meeting, June 1992, Boulder, CO.

Gilger, J.W., Pennington, B.F., & DeFries, J.C. Genetic and distributional analyses of whether or not dyslexia can be considered a distinct deviation from normal variance in reading skills. International Neuropsychological Society-20th Annual Meeting, February, 1992, San Diego, CA.

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Forthcoming or Under Review Presentations & Conference Meetings

Gilger, J. (Accepted). American Educational Research Association Brain and Education SIG, Conference Chair, San Diego, March 2009

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