

# John Keith Hewitt

## CURRICULUM VITAE

### PERSONAL INFORMATION

**Date and place of birth** 14th July, 1952; Hampshire, England

**Citizenship** United States (naturalized June, 1996)

**Marital status** Married with four children.

**Office address and telephone** Institute for Behavioral Genetics  
University of Colorado at Boulder  
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University of Colorado at Boulder  
1480 30<sup>th</sup> Street  
Boulder, CO 80303-0447

### EDUCATION

B.Sc. (1st Class Honours) Psychology 1973.  
Place: Dept. of Psychology, University of Birmingham. Other subjects taken: Philosophy and Genetics.

M.Sc. Applied Genetics, September 1974.  
Place: Dept. of Genetics, University of Birmingham, England.  
Research Project: An analysis of data from a twin study of social attitudes.  
Supervisor: L.J. Eaves  
Professor: J.L. Jinks

Ph.D. 1978 The genetic control of activity, reactivity and learning in a natural population of wild rats (*Rattus norvegicus*).  
Place: Institute of Psychiatry, Univ. of London.  
Supervisor: D.W. Fulker  
Professor: H.J. Eysenck

B.A. Mathematics 1982. Place: Open University (by correspondence).  
Specialist courses: Linear Algebra, Abstract Algebra, Statistical Inference.

### POSTDOCTORAL TRAINING OR SPECIAL EXPERIENCE

October 1974 - August 1977, Research Worker, Department of Psychology, Institute of Psychiatry, London.

### ACADEMIC APPOINTMENTS

June 2002-present, Professor of Psychiatry (Attendant Rank), University of Colorado School of Medicine  
July 2001 - present, Director, Institute for Behavioral Genetics  
August 1992 - present, Professor of Psychology, and Faculty

Fellow of Behavioral Genetics, University of Colorado, Boulder, Colorado, USA.

July 1990 - August 1992, Associate Professor  
July 1987 - June 1990, Assistant Professor, Department of Human Genetics, Medical College of Virginia, Richmond, Virginia, U.S.A.  
September 1977 - August 1987, Lecturer in Psychology, Department of Psychology, University of Birmingham, England.

### **VISITING APPOINTMENTS**

July 1986 - June 1987, Affiliate Research Assistant Professor (visiting). Department of Human Genetics, Medical College of Virginia, Richmond, Virginia, U.S.A.  
September 1985 - June 1986. Visiting Associate Professor, Department of Biology, William Patterson College, New Jersey, U.S.A.

### **MEMBERSHIPS: SCIENTIFIC, HONORARY AND PROFESSIONAL SOCIETIES**

Behavior Genetics Association  
American Society of Human Genetics  
American Psychological Society  
American Association for the Advancement of Science

### **SPECIAL AWARDS, FELLOWSHIPS, RESEARCH SUPPORT AND OTHER HONORS**

#### **Awards**

Open Scholarship, Birmingham University, 1970.  
Undergraduate Prize, Birmingham University, 1973.  
First Class Honors, Birmingham University, 1973.

#### **Fellowships**

Bethlehem-Maudsley Research Fellow, 1974-1977.

#### **Empirical research supported by external funds** (Funding is annual direct costs.)

##### **Current active support**

NIH/NIAAA-"Genetic Association and Stratification," AA 014250, 09/30/03-08/31/06, Co-Investigator, \$125,000, 5% academic year effort and 5% summer effort

NIH/NIDA-"Antisocial Drug Dependence: Genetics," DA 011015, 08/15/03-04/30/08

"Administrative/Educational Core A," - Boulder, Principal Investigator, \$35,203 (sub only), 5% academic year effort

Component I: "Adolescent Drug/Alcohol Dependence: Genetics and Treatment," Co-Investigator, \$8,305 (sub only) 3% academic year effort

Component IV: "Heritable Early Indicators of Risk for Drug Dependence," Principal Investigator, \$151,526, 5% academic year effort & 16.7% summer effort

NIH/NIMH-"Workshop on Methodology of Twin Studies," MH0 19918, 07/01/03-06/30/08, Principal Investigator, \$131,771, 5% academic year effort & 5% summer effort

NIH/NICHD-"Determinants of Behavioral Development in Children," HD 010333, 06/01/03-05/31/07, Co-Investigator, \$244,145, 16.7% summer effort

NIH/NEI—"Variance Component Models for Mapping QTLs," EY 012562, 09/01/02-08/31/07, Principal Investigator, \$271,820, 10% academic year effort & 10% summer effort

NIH/NICHD—"Behavioral Genetic Analysis of Adolescent Health Risk," Sub-component to the Inst. for Behav. Genetics, HD 031921, 07/01/02-01/31/04, Principal Investigator, \$105,314, 5% academic year effort & 5% summer effort

NIH/NIDA—"Progression of Craving and Addiction: Genetic Factors," Sub-component to Inst. for Behav. Genetics, DA 014642, 9/30/01-6/30/06, Co-Investigator, \$63,117, 5% academic year effort

NIH/NIMH—"Behavior Genetic Analyses of Executive Functions," MH 063207, 06/01/01-05/31/06, Principal Investigator, \$150,000, 16.5% summer effort

NIH/NIAAA—"NYS Family Study: Problem Alcohol Use and Problem Behavior," Sub-component to the Inst. for Behav. Genetics, AA 011949, 09/30/00-08/31/05, Co-Investigator, \$213,364, 6.67% academic year effort

NIH/NIDA—"Genetics of Adolescent Antisocial Drug Dependence," Sub-component to the Inst. for Behav. Genetics, DA 012845, 09/15/00-02/28/06, Co-Investigator, \$75,377, 16.5% summer effort

NIH/NIMH—"Abnormal Eye Movement in Schizophrenia: Genome-Wide Scan," MH 066115, 01/09/04-12/31/08, Co-Investigator, annual direct costs \$225,000  
Subcontract to Inst. for Behavioral Genetics, Principal Investigator, \$16,119, 16.6% summer effort

#### **Grants submitted**

NIH/NIAAA—"Alcohol Dependence: Integrating Genetic & fMRI Methods," AA 011473, 07/01/04-06/30/09, Co-Investigator, \$330,505, 5% academic year effort

NIH/NICHD—"Behavior, Genetics, and Drug Abuse: A National Resource," Subcomponent to IBG, HD 031921, 12/01/04-11/30/09, Principal Investigator, annual direct costs \$117,165, 10% academic year effort, 33% summer effort

NIH/NCRR—"Mass Spectrometer for Genetic Analysis of Complex Traits. 04/01/05-03/31/06, Principal Investigator, \$496,856 (Equipment purchase only).

#### **Earlier support**

NIH/NIDA—"Progress of craving and addiction: Genetic factors," DA14642, 12/01/01-11/30/06, Co-Investigator, \$250,000

NIH/NIMH—"Behavior genetic analyses of executive functions," MH63207, 06/01/01-05/31/06, Principal Investigator, annual direct costs: \$150,000

NIH/NIDA—"Genetics of Adolescent Antisocial Drug Dependence," DA 12845, 10/01/00-09/30/05, Co-Principal Investigator, annual direct costs \$750,152

NIH/NIAAA—"NYS Family Study: Problem Alcohol Use and Problem Behavior," AA11949, 09/30/00-08/31/05, Co-Principal Investigator, annual direct costs \$940,896

NIH/NICHD—"Research Training-Developmental Behavioral Genetics," Competitive Renewal, 2732HD07289, 09/01/00-04/30/05, Principal Investigator, annual direct costs \$169,951

NIH/NIA—"Biometrical Analysis of Personality in Adulthood," AG 17949, 04/01/00-03/31/03, Co-Principal Investigator, annual direct costs \$75,000

NIMH—"Transition into Early Adolescence," MH43899 (renewal), 03/01/00-11/30/03, Principal Investigator, annual direct costs \$205,682

John D. and Catherine T. MacArthur Foundation—"Family Influences on Behavioral Development," 99-59585 HCD, 11/01/99-12/31/01, Principal Investigator, \$42,000

NIH/NEI—"Variance Components Models for Mapping QTLs," EY 12562, 12/07/98-11/30/02, Principal

Investigator, annual direct costs \$186,133, 15% academic year effort

NIMH—"Workshop on Methodology of Twin Studies," MH19918, (renewal), 09/01/98-08/31/03, Principal Investigator, \$85,203

NIH/NICHD—"Nature and Nurture in Social Demography: An Adoption Study," HD 36773, 08/01/98-05/31/03, Co-Investigator, \$209,659

NICHD—"Determinants of Behavioral Development in Children," HD10333, (competitive renewal), 06/01/98-05/31/03, Co-Investigator, \$215,776

The William T. Grant Foundation—"Origins of Successful and Unsuccessful Transitions to Adulthood: The Colorado Adoption Project (CAP)," 98162094, 06/01/98-05/31/01, Principal Investigator, \$109,368

NIDA—"Antisocial Drug Dependence: Genetics and Treatment," DA11015, 08/01/97-06/30/02:

"Component I: Adolescent Drug/Alcohol Dependence: Genetics and Treatment," Principal Investigator, Boulder Component, \$49,732 (sub only), 5% academic year effort

"Component IV: Heritable Early Indicators of Risk for Drug Dependence," Principal Investigator, \$173,136 (sub only)

"Administrative/Educational, Core A, UCB" Co-Investigator, \$24,347

"Genetics and Treatment, Assessment Core B, UCB" Principal Investigator, \$19,554

Veteran's Administration, Research Center for Basic and Clinical Studies of Alcoholism—"Human Genetics Core" and "Heritable Early Indicators of Alcohol Abuse" components, V554P-3828/3829, 07/1/96-03/01/99, Principal Investigator, \$76,500 (sub only)

NICHD—"A Twin/Adoption Study of Development in Middle Childhood," HD 18426-15, 06/01/96-05/31/99, Co-Investigator, \$44,436 (sub only)

NIMH—"Workshop on Methodology of Twin Studies," MH19918, 09/01/95-08/31/98, Principal Investigator, \$61,914

NIMH—"Transition into Early Adolescence: A Twin/Adoption Study," MH43899, 12/01/94-11/30/99, Principal Investigator, \$260,437

NIMH—"Adolescent Behavioral Development: A Twin Study," MH45268, (renewal) 05/01/94-04/30/99, Principal Investigator (PI-ship transferred to L.J. Eaves following my relocation to Colorado), annual direct costs \$548,638 rising to \$758,569. Priority score 117 in top 3%, 1989-94. 50% effort. Current effort, 15% academic year, with L.J. Eaves PI, subcontracted through University of Colorado to Hewitt, approx \$125,000 over five years, \$26,250 total, \$18,293 direct (sub only)

John D. and Catherine T. MacArthur Foundation—"MacArthur Longitudinal Twin Study: A Proposal to Study Individual Differences in Adaptation Processes and Outcomes at Seven Years," 93-24177A, 07/01/93-06/30/00, Principal Investigator, \$271,349

NICHD—"Determinants of Behavioral Development in Children," HD10333, 06/01/93-05/31/98, Co-Investigator, \$171,257

NIDA—"Adolescent Substance Abuse and Their Families," DA05131, Component 2 (PI:Fulker), Drug Abuse Research Center (PI:Defries), 1993-1997, Hewitt Co-Investigator, total direct costs \$607,082.

NIMH—"Workshop on Methodology of Twin Studies," MH19687, 09/92-08/94, Principal Investigator, annual direct costs \$40,000

Carman Trust for Scientific Research—"Genetics and Development of Adolescent Mental Health," Principal Investigator, PI-ship transferred to J. Meyer following my relocation to Colorado in 1992, annual direct costs \$34,000.

NIMH--"Workshop on Twin Methodology," MH19392, 1990--short term training grant, Principal Investigator, (Priority Score in top 5%) cost \$23,359

NIAAA--"Personality and Clinical Psychobiology: Genetics," AA08672, 1990-1994, 25% effort, Principal Investigator, annual direct costs \$204,773

NHLBI--"Childhood Passive Smoking: Cohort Study of Cardiac Risk," HL38878, 04/01/89-94, Co-Investigator, annual direct costs \$75,027

NHLBI--"Longitudinal Twin Study: Cohort Study of Blood Pressure," HL31010, 08/88-07/93, Co-Investigator, annual direct costs \$460K

NIA--"Genetic Models of Development and Aging," AG04954, (renewal), 07/88-06/93, Co-Investigator, annual direct costs \$104K

NIGM--"Resolving Power of Kinship Analysis for Genetic Research," GM30250, 02/86-01/91, Co-Investigator, annual direct costs \$62K

Neuropsychological investigations of children at high risk for schizophrenia: extension. Mental Health Foundation support, 1986. Stlg 5177.

During the years 86-88, I was an investigator for NIH grants to study Genetic Models of Development and Aging (AG-04954, 7/84 - 6/88; Annual support \$49,211), Biological and Cultural Determinants of Alcohol Consumption (AA-06781, 8/85 - 7/89; Annual support \$95,168), Genetic and environmental influences on anxiety and depression (MH-40828, 2/86 - 1/90; Annual support \$396,181), Resolving Power of Kinship Analysis for Genetical Research (GM-30250, 2/86 - 1/91; Annual support \$75,115).

NIAAA--"Biological and Cultural Determinants of Alcoholism," AA06781, 08/85-07/89, Co-Investigator, annual direct costs \$116K

Genetic and environmental analysis of cardiac reactivity and hypertension. MRC project grant jointly with Drs. D. Carroll (PI), K. Last and Professor J.L. Jinks. 1984-1987. Stlg 88,627.

Neuropsychological investigations of abnormal interhemispheric integration and anomalous lateralization of function in children at high risk for schizophrenia. Research grant from Mental Health Foundation. 1984-1986. Stlg 22,447.

Genetic and environmental determinants of cardiac reactivity and hypertension. Supported by project grant from the (British) Medical Research Council, 1982-1983, jointly with Dr. Carroll (PI) and K. Last. Stlg 8,526

### **MAJOR COMMITTEES and HONORS**

Member, Conference Committee for 1983 Behavior Genetics Association meeting.

Member of the Committee of the Psychobiology Section of the British Psychological Society 1983-1985.

Member of the Publication and Communications Committee of the Behavior Genetics Association, 1984-1987.

Co-organizer, 3rd William Patterson College Symposium on Social Behavior: Developmental behavior genetics in an evolutionary context. November 1986.

Elected Secretary to the Behavior Genetics Association, 1989-1992.

Organizing committee 2nd, 3rd, 4th, 5th and 6th International Workshop on Twin Methodology. Leuven, Belgium, September, 1989, 1991; Boulder, Colorado, July, 1990, Spring, 1993, Winter 1994.

Emotion and Personality Review Committee, National Institute of Mental Health, 1992-1994.

Chairman, Professional Training Subcommittee of the Behavior Genetics Association 1992-1995.

Epidemiology Review Committee, National Institute of Mental Health, 1994-1997.

President-Elect, Behavior Genetics Association, 1999-2000.

President, Behavior Genetics Association, 2000-2001.

### **OTHER SIGNIFICANT SCHOLARLY OR RESEARCH EXPERIENCE**

#### **Doctoral and postdoctoral supervision**

Genetic architecture of courtship, courtship modification, conditioning and activity in Drosophila melanogaster. M.F. Collins, 1980-1983, Ph.D. awarded 1983

Dr. Collins took up an SERC postdoctoral fellowship in my department and our collaborative research in this area continued until January 1985.

Interhemispheric transfer deficits in children at risk for schizophrenia  
S.Hallett, 1983-1987, Ph.D. awarded 1987

Familial aspects of hypertension  
J.Sims, 1984-88 (supervised jointly with Dr. D. Carroll), Ph.D. awarded 1988.

Development of interhemispheric transfer deficits in children at risk for schizophrenia  
D.Quinn, 1985-1986

Genetic and environmental influences on smoking and motives for smoking  
L.Gynther, Institute for Behavioral Genetics, 1992-94, Ph.D. awarded

Michael Stallings (postdoctoral fellow, 1993-94)

Chandra Reynolds (postdoctoral fellow, 1994-95)

Marianne Wambolt, MD (postdoctoral fellow, 1997-2002) (Mentored Clinical Scientist; genetic and social influences on youth health behavior.)

Bo Bishop (postdoctoral fellow, 1998-2001)

Soo Rhee (postdoctoral fellow, 1999-2001)

A twin study of genetic and environmental influences on anxiety during childhood and adolescence  
T.Topolski, Institute for Behavioral Genetics, 1993-97, Ph.D. awarded

Life events and depressed mood  
J. Lessem, Institute for Behavioral Genetics, 1993-1999, Ph.D. awarded

Temperament through middle childhood  
Carol van Hulle, Institute for Behavioral Genetics, 1996-2001, Ph.D. awarded

Steve Wilson (doctoral student, 1993-2002, incomplete)

Elise Eller (postdoctoral fellow, 2001-2002)

Current students and fellows, Institute for Behavioral Genetics, University of Colorado  
Brett Haberstick (doctoral student)  
Naomi Friedman (postdoctoral fellow)  
David Timberlake (postdoctoral fellow)  
Soo Rhee (KO1, Mentored Scientist, 2001-2006)

Susan Young (KO2, Mentored Scientist, 2001-2006)  
Christian Hopfer, M.D. (Mentored Clinical Scientist)

Committees for: Medical College of Virginia/Virginia Commonwealth University:

Sally Hunsberger (Biostatistics Ph.D.)  
Jennifer Stainer (Human Genetics Ph.D.)  
Debbie Bowles (Human Genetics Ph.D.)  
Robert DaMensah (Biostatistics Ph.D.)  
Judy McLaughlin (Human Genetics, Ph.D.)  
Laura Truskowski (Biostatistics, M.S.)  
Audrey Schuler (Social Work, Ph.D.)  
Marianne Van Den Bree (Human Genetics, Ph.D.)  
Jeanine Gau (Psychology, Ph.D.)

University of Colorado  
Stacey Cherny (Psychology, Ph.D.)

Larry Rodriguez (Psychology, Ph.D.)  
Stephanie Schmitz (Psychology, Ph.D.)  
Maricela Alarcón (Psychology, Ph.D.)  
Donna Miles (Psychology, Ph.D.)  
Valerie Knopik (Psychology, Ph.D.)  
Marcie Chambers (Psychology, Ph.D.)  
Javier Gayán (Psychology, Ph.D.)  
Naomi Freedman (Psychology, Ph.D.)  
Erin Bissel (EPOB, Ph.D.)  
Robert Buchwald (EPOB, Ph.D.)  
Heather Gelhorn (Psychology, Ph.D.)  
Noa Heiman (Psychology, Ph.D.)

**Teaching experience:**

The details of the formal courses I have taught are given below where it will be clear that apart from my research interests in behavioral and quantitative genetics, I have also developed teaching in statistics, measurement and design both at the Undergraduate and Post-graduate level.

**Teaching chronology:**

Demonstrator to Introductory Statistics Course. Extramural Department, University of Birmingham, 1974.

Tutor to Open University Summer School, Quantitative Genetics, 1977, 1978; Introduction to Psychology, 1981, 1982, 1983.

**1977 - 1985**

Lecturer in Introductory Statistics, Psychometrics. Personality Measurement, Research Methodology and Behavior Genetics on undergraduate courses in the Department of Psychology, University of Birmingham.

Lecturer in Quantitative Methods and Research Methodology on postgraduate course in Clinical Psychology and Doctoral Programme, Department of Psychology, University of Birmingham.

Tutor to Psychological Measurement course, Extramural Department, University of Birmingham, 1979.

Tutor to Introduction to Statistics for Psychology and Education, Extramural Department, University of Birmingham, 1982.

Tutor to Research Methods in Education and Social Science at Undergraduate and Postgraduate Level, Open University, 1983, 1984, 1985.

**1985-86**

Lecturer in Behavior Genetics (course BIPY 475) and Genetics of Psychopathology (course BIPY 399) to Biopsychology Honours Programme and Lecturer in Research Methods (course BID 533) to Graduate Program in Biology. Department of Biology, William Patterson College of New Jersey, U.S.A.

**1986-88**

Contributing lecturer to courses 501 Introduction to Human Genetics, 519 Quantitative Genetics and 520 Principles of Human Behavior Genetics (course organizer) in Department of Human Genetics, Virginia Commonwealth University, Richmond, VA, USA.

**1988-92**

As 1986-88, plus GN502 Advanced Human Genetics and M1 Human Genetics.  
Fall 1992, contributing lectures to Quantitative Human Sociobiology.

**1992-93**

Genetics and Developmental Psychopathology (Psychology 4525).  
Contributing faculty for Introduction to Behavior Genetics (Psychology 4102)

**1993-94**

Seminar: Behavior Genetics (Psychology 7102)  
Behavioral Genetics (Psychology 4102/5102)

**1994-95**

Seminar: Behavioral Genetics (Psychology 7102)  
 Concepts in Behavioral Genetics (Psychology 5112)  
 Behavioral Genetics (Psychology 4102/5102)

**1995-96**

Seminar: Behavioral Genetics (Psychology 7102)  
 Behavioral Genetics (Psychology 4102/5102)  
 Behavioral Genetics Lab (Psychology 4112)

**1996-97**

Seminar: Behavioral Genetics (Psychology 7102)  
 Behavior Genetics (Psychology 4102/5102)  
 Behavior Genetics Lab (Psychology 4112)

**1997-98**

Behavioral Genetics Lab (Psychology 4112)  
 Behavioral Genetics (Psychology 4102/5102)  
 Concepts in Behavioral Genetics (Psychology 5112)  
 Biometrical Methods/Behav Genetics (Psychology 5242)

**1998-99**

Seminar: Behavioral Genetics (Psychology 7102)

**1999-2000**

Biometrical Methods/Behav Genetics (Psychology 5242)

**Fall 2000**

Concepts in Behavioral Genetics, (Psychology 5112)  
 Computer Systems

**Spring 2001**

Concepts in Behavioral Genetics, (Psychology 5112)  
 Benchmark Papers in Behavior Genetics

**Fall 2001**

Biometrical Methods/Behav.Genetics (Psychology 5242)

**Fall 2002**

Research in Behavioral Genetics (Psychology 7012)

**Spring 2003**

Seminar: Behavioral Genetics (Psychology 7102)

**Fall 2003**

Biometrical Genetics (Psychology 5242)

**Workshops and Conferences: Teaching and Organization**

Contributing Faculty for the Second International Course on Twin Methodology, Leuven, Belgium, Sept. 1989,

the Third International Workshop on Twin Methodology, Boulder, Colorado, July 1990,

the Fourth International Workshop on Twin Methodology, Leuven, Belgium, Sept. 1991,

the Fifth International Workshop on Twin Methodology, Boulder, Colorado, May, 1992,

the Sixth International Workshop on Twin Methodology, Boulder, Colorado, March, 1994,

the Seventh International Workshop on Twin Methodology, Helsinki, Finland, Sept., 1995,



the Eighth International Workshop on Twin Methodology, Boulder, Colorado, March, 1996.

Host organizer and faculty of Ninth International Workshop on Twin Methodology, Boulder, Colorado, March, 1997.

Host organizer and faculty of Tenth International Workshop on Twin Methodology, Boulder, Colorado, March, 1998.

Contributing faculty to the NATO Advanced Study Institute on Statistical Methods for Genetic Studies, Eleventh International Workshop on Twin Methodology, Leuven, Belgium, Sept., 1998.

Host organizer and faculty of Twelfth International Workshop on Twin Methodology, Boulder, Colorado, March, 1999.

Host organizer and faculty of Thirteenth International Workshop on Twin Methodology, Boulder, Colorado, March, 2000.

Program chair, 30<sup>th</sup> Annual Meeting, Behavior Genetics Association, June 28-July 1, 2000, Burlington, VT.

Host organizer of Fourteenth International Workshop on Twin Methodology, Boulder, Colorado, March, 2001.

Host organizer and faculty of Fifteenth International Workshop on Twin Methodology, Boulder, Colorado, March, 2002.

Host organizer and faculty of Sixteenth International Workshop on Twin Methodology, Boulder, Colorado, March, 2003.

Host organizer and faculty of Seventeenth International Workshop on Twin Methodology, Boulder, Colorado, March, 2004.

#### **Professional duties related to research**

Editor in Chief: Behavior Genetics (July, 2001 - present).

Chair, APA Working Group on Genetic Research (Nov., 2002-present).

I serve as referee for papers submitted to Nature, Animal Behavior, British Journal of Psychology, British Journal of Addiction, Quarterly Journal of Experimental Psychology, Heredity, Genetic Epidemiology, Journal of Gerontology: Psychological Sciences, Journal of Comparative Psychology, Psychological Science, Journal of Studies on Alcohol, Appetite, Drug and Alcohol Dependence.

Invited member of NIMH advisory workshop on "Social regulation, basic behaviors, and developmental transition: A behavioral genetics perspective" (Sept., 1990).

Invited member of NIMH advisory workshop on Childhood and Adolescent Mental Health, Nov. 1990.

Invited member of NIAAA working group on "Longitudinal studies of children at high risk for alcohol problems" (May 1990).

I have regularly reviewed grant proposals for NIH and participate in site visits on an ad hoc basis.

Invited presenter: NIH workshop on "Research Priorities in Eating Disorders."

Regular committee member, Emotion and Personality IRG, NIMH, 1992-94.

Regular committee member, Epidemiology and Genetics IRG, NIMH, 1994-1997.

Director of the Animal Psychology Laboratory, Department of Psychology, University Birmingham, 1980-83.

I have read papers or presented abstracts at the following conferences or institutions:

Association for the Study of Animal Behavior, Sheffield, England, 1978.

Population Genetics Group. Sheffield, England, 1978.

Behavior Genetics Association, Connecticut, U.S.A., 1979.

Behavior Genetics Association, New York, U.S.A., 1981.  
Miami Symposium on Social Behavior, Ohio, U.S.A., 1981.  
Dept. of Biology, University of Chicago, Illinois, U.S.A., 1981.  
Dept. of Psychology, Purdue University, U.S.A., 1981.  
Institute for Behavioral Genetics, Colorado, U.S.A., 1981.  
Eugenics Society, London, England, 1983.  
Behavior Genetics Association, London, England, 1983.  
Dept. of Psychology, Ulster Polytechnic. Belfast, N. Ireland, 1983.  
Dept. of Genetics, Trinity College, Dublin, Ireland, 1983.  
British Psychological Society, London, 1983.  
Behavior Genetics Association. Bloomington, Indiana, U.S.A., 1984.  
Department of Psychology, University of Colorado, Boulder, Colorado, U.S.A., 1985.  
Department of Psychology, University of Minnesota, Minneapolis, Minnesota, U.S.A., 1985.  
Department of Human Genetics, Medical College of Virginia, 1986.  
Department of Biology, Wesleyan University, Connecticut, U.S.A., 1986.  
Behavior Genetics Association, Honolulu, Hawaii, U.S.A., 1986.  
Department of Pediatric Cardiology, Medical College of Virginia, 1986.  
3rd William Paterson College Symposium on Social Behavior, NJ, 1986.  
Department of Psychology, University of Colorado, 1987.  
2nd International Conference on Quantitative Genetics, Raleigh, NC, 1987.  
Department of Human Genetics, Medical College of Virginia, 1988.  
Behavior Genetics Association, Nijmegen, Netherlands, 1988.  
Society for Psychophysiological Research, San Francisco, 1988.  
NIMH conference on genetic approaches to understanding health damaging behaviors. Philadelphia, 1988.  
Western Psychiatric Institute and Clinic, Pittsburgh, 1988.  
McArthur Foundation conference on Health and Stress, Philadelphia, 1988.  
Behavior Genetics Association, Charlottesville, VA, 1989.  
6th International Congress on Twin Studies, Rome, Italy, 1989.  
Society for Behavioral Medicine, Chicago, Illinois, 1990.  
Behavior Genetics Association, Aussois, France, 1990.  
Institute for Behavioral Genetics, Colorado, USA, 1990.  
Institute for Social Research, University of Michigan, Ann Arbor, USA. 1990.  
Dept. of Biostatistics, Medical College of Virginia, 1991.  
Dept. of Human Genetics, Medical College of Virginia, 1991.  
Behavior Genetics Association, St. Louis, Missouri, 1991.  
Department of Psychology, University of Colorado at Boulder, 1992.  
Department of Human Genetics, Medical College of Virginia, 1992.  
Quantitative Group, Department of Human Genetics, Medical College of Virginia, 1992.  
Behavior Genetics Association, Boulder, CO, 1992  
American Psychological Association, Washington, DC, 1992.  
Behavior Genetics Association, Sydney, Australia, 1993.  
World Congress on Psychiatric Genetics, New Orleans, 1993.  
Behavior Genetics Association, Barcelona, 1994.  
International Congress on Twin Studies, Richmond, VA, 1995.  
Behavior Genetics Association, Richmond, VA, 1995.  
FASEB conference: Genetic and behavioral influences on nutrient metabolism and obesity; Copper Mountain, CO, 1995.  
Research Priorities in Eating Disorders, NIH workshop, New York, 1996.  
Behavior Genetics Association, Pittsburgh, PA, 1996.  
Behavior Genetics Association, Toronto, Canada, 1997.  
Behavior Genetics Association, Stockholm, Sweden, 1998.  
International Society for Twin Studies, Helsinki, 1998.  
Behavior Genetics Association, Vancouver, Canada, 1999.  
NIH Statistical Genetics Initiative Workshop, Half Moon Bay, 1999.  
Behavior Genetics Association, Burlington, VT, 2000.  
Developmental Psychobiology Research Group, Denver, CO, 2001.  
FCDEF, University of Porto, Portugal, 2001.  
Lyon-Voorhees Lecture, UCHSC, 2001.  
Invited plenary lecture, College on Problems of Drug Dependence, Scottsdale, AZ, 2001.  
Presidential Address, Behavior Genetics Association, Cambridge, UK, 2001.

Behavioral and Social Sciences Seminar Series, NIH, 2002.  
Behavior Genetics Association, Chicago, 2003.  
World Congress on Psychiatric Genetics, Quebec City, 2003.  
American Society of Criminology, Denver, 2003.

## **BIBLIOGRAPHY**

**Papers submitted, and in press.** (in reverse chronological order)

### **2005**

Ehringer, M.A., Rhee, S.H., Young, S., Corley, R., & Hewitt, J.K., (2005) Genetic and environmental contributions to common psychopathologies of childhood and adolescence: a study of twins and their siblings. *Journal of Abnormal Child Psychology*, submitted.

Friedman, N.P., Miyake, A., Corley, R., Young, S., DeFries, J.C., & Hewitt, J.K. (2005) Executive functions are differentially related to intelligence. *Psychological Science*, submitted.

Gelhorn, H. L., Stallings, M. C., Young, S. E., Corley, R. P., Hewitt, J. K. & Crowley, T. J. (2005). Substance use patterns and antisocial behavior in clinical family pedigrees. *Drug and Alcohol Dependence*, submitted.

Gelhorn, H. L., Stallings, M. C., Young, S. E., Corley, R. P., Rhee, S. and Hewitt, J. K. (2005). Genetic and environmental influences on conduct disorder: Symptom, domain and full-scale analyses. *Journal of Child Psychology and Psychiatry*, in press.

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