

# 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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Boulder, CO 80309-0447  
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**Package delivery address** Institute for Behavioral Genetics  
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

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.

June 2002-present, Professor of Psychiatry (Attendant Rank), University of Colorado School of Medicine

### **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.  
Dobzhansky Award for lifetime achievement in behavior genetics, 2008  
Dept. of Psychology and Neuroscience, University of Colorado, Faculty Research Award, 2010

#### **Fellowships**

Bethlehem-Maudsley Research Fellow, 1974-1977.

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

5 R25 MH019918-18 (Hewitt)

08/27/08-06/30/13  
**5% acad/0.45 acad**  
**5% sum/0.15 sum**  
\$131,120

NIH/NIMH

#### **Workshop on Methodology of Twin Studies**

The major goal of this project is to provide five training and information-sharing workshops for researchers involved in twin and family genetic epidemiology studies wishing to learn the latest methodology for data analysis and experimental design.

5 P60 DA 011015-12 (Hewitt - Director of Center)  
NIH/NIDA

05/01/09-02/28/14  
\$1,724,832

#### **Center on Antisocial Drug Dependence: The Genetics of HIV Risk Behaviors**

The overall goal of this Comprehensive P60 Center is to contribute to our understanding of the etiology of

individual differences in behavioral control or behavioral disinhibition, the relationship of this to drug abuse and the development of dependence, and the role that these play in the propensity for risky behaviors that may result in STDs, including HIV/AIDS

**-Administrative/Educational Core A – Boulder (Hewitt) \$291,582  
20% acad/1.80 acad**

The major goal of the administrative and educational core is to facilitate interactions among an interdisciplinary group of clinicians, behavioral geneticists, and molecular biologists at the Health Sciences Center and Boulder Campus of the University of Colorado. The educational component supports postdoctoral training and K-12 community outreach. A unique feature of the core is the incorporation of an ethicist who will work alongside the other Center investigators. Role: PI

**Data Management, informatics, and biostatistics Core B – Boulder (McQueen) \$169,976  
12% acad/1.08 acad**

This Core will be responsible for the incorporation of new HIV-relevant risk and impulsiveness measures into existing interview protocols, the integration of new and previously collected data, the dissemination of consolidated data sets to Center researchers, the improvement analysis capability, and the development and application of novel statistical methods for analysis of complex phenotypes that are required to meet the specific needs of the Component Projects. Role: Co-I

**Component I: Clinical and GWAS studies – Denver (Hopfer/McQueen) \$419,319  
10% acad/0.90 acad**

This component will identify specific genetic loci that influence behavioral disinhibition. To do this, we will conduct a genome wide association (GWAS) study on an existing sample of 1000 adolescent cases and 1000 controls with Substance Dependence, Conduct Disorder, and HIV-related risk behaviors, and a newly ascertained sample of 600 adolescents recruited from adolescent substance abuse treatment programs and a control sample of 600 adolescents without serious substance or behavioral problems. Role: Co-I

**-Component II: Clinical Family and Community Twin,  
Family, & Adoption Studies – Boulder (Stallings) \$376,234  
5% acad/0.45 acad**

The goal of this component is a 5-year follow-up assessment of 285 families of subjects formerly in treatment for substance use disorder (SUD) and conduct disorder (CD) as adolescents and 200 community control families. The study will provide important information regarding family influences underlying SUD & CD, the generality versus specificity of familial influences on these behaviors, and the identification of family factors that differentiate persistent versus adolescent-limited problem behavior. Role: Co-I

5 P01 HD031921-15 (Harris) 01/01/06-12/31/10  
NIH/NICHD 3% sum/0.90 sum  
\$111,960 (sub only)

**The National Longitudinal Study of Adolescent Health  
Subcontract to Inst. for Behavioral Genetics  
Project V: Gene\*Environment Contributions to Drug Use and  
Problem Behavior Trajectories (Hewitt)**

This data analysis subproject will examine the developmental trajectories of drug use and related behaviors, including conduct problems and risky sexual behavior.

5 P50 MH079485-03 (Banich) 04/22/08-01/31/13  
NIH/NIMH  
**IBSC: Determinants of Executive Function and Dysfunction (Banich)**  
**Subcontract to Inst for Behavioral Genetics (Hewitt) 5.5% acad/0.05 acad**  
**-Project 4: Genetic Mechanisms of Executive Functions \$130,060 (sub only)**

The goal of this project is to use molecular genetic analyses in concert with computational modeling to begin to specify in more detail how the dopamine system regulates three correlated but separable executive functions - inhibiting prepotent response, updating working memory, and shifting mental sets. We will analyze existing molecular and psychometric data on approximately 800 individual twins who were tested on nine index executive tasks at age 17 and were also tested on general cognitive ability and IQ at age 16.

5 R01 DA012845-08 (Hewitt)

07/15/2008-12/31/12

**20% acad/1.8 acad**

**33% sum/1.0 sum**

\$455,202

NIH/NIDA

**Genetics of Adolescent Antisocial Drug Dependence (COMRAD)**

This COMRAD proposal continues a multisite collaboration, initiated under DA 012845, to conduct a prospective study to address critical issues in the genetic epidemiology of adolescent onset antisocial drug dependence. We will complete five year follow-up assessments, examine drug use and antisocial behavior trajectories and their predictors, and we will conduct genome wide association analyses of persistent adolescent-onset antisocial drug dependence.

5 R01 MH063207-08 (Hewitt)

09/01/08-05/31/12

**15%acad/1.35 acad**

**15% sum/0.45 sum**

\$298,409

NIH/NIMH

**Executive Functions and Self-Regulation: A Twin Study**

This twin study will assess, during the transition from adolescence to young adulthood, genetic and environmental contributions to: stability and change in executive functioning: individual differences in self-regulation; and the relationships between executive functions and self-regulation.

**Pending**

None

**Earlier support**

NIH/NICHD- "Testing a Developmental Model of Conduct Problems," 5 R01 HD050346-02, 09/01/07-06/30/12, \$233,058, Co-Investigator, 8.3% academic year effort

NIH/NIMH- "Abnormal Eye Movement in Schizophrenia: Genome-Wide Scan," 5 R01 MH066115-05, 01/09/04-12/31/09, \$14,891 (subcontract to IBG), Co-Investigator, 3% summer effort

John Templeton Foundation- "The genetics of high cognitive abilities," 09/01/08-12/31/10, Co-Investigator, 2% academic year effort

NIH/NIMH- "Executive Functions and Self-Regulation: A Twin Study," 2 R56 MH063207-06A1, 06/01/01-05/31/08, Principal Investigator, \$323,389, 15% academic year effort, 15% summer effort

NIH/NIMH- "Workshop on Methodology of Twin Studies," 5 R25 MH019918-15, 07/01/03-06/30/08, - Principal Investigator, \$144,009, 5% academic year effort, 33.3% summer effort

NIH/NEI- "Variance Component Models for Mapping QTLs," 5 R01 EY012562-08, 09/01/02-08/31/08, - Principal Investigator, \$290,044 (no cost ext), 10% academic year effort

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

NIH/NIAAAB "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, Principal Investigator, \$213,364, 6.67% academic year effort

NIH/NIAAAB "Alcohol Dependence: Integrating Genetic & fMRI Methods," AA 011473, 05/05/05-06/30/10, Co-Investigator, \$330,505, 5% academic year effort (Grant transferred to New Mexico when PI moved.)

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

NIH/NIAAAB "NYS Family Study: Problem Alcohol Use and Problem Behavior," AA11949, 09/30/00-08/31/06, Co-Principal Investigator, annual direct costs \$940,896 (no cost extension)

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

NIH/NIAААБ"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/NICHDБ"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/NICHDБ"Research TrainingБDevelopmental Behavioral Genetics," Competitive Renewal, 2732HD07289, 09/01/00-04/30/05, Principal Investigator, annual direct costs \$169,951

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

NIMHБ"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 FoundationБ"Family Influences on Behavioral Development," 99-59585 HCD, 11/01/99-12/31/01, Principal Investigator, \$42,000

NIH/NEIБ"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

NIMHС"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

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

NIGMB"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).

NIAAAB"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.

Chair, APA working group on genetics research issues, 2002-present.

Dobzhansky Award for outstanding lifetime research accomplishment in the field of behavioral genetics, June, 2008.

Invited reviewer for German Science Council, Berlin, Germany, April, 2009.

Invited reviewer for Public Health Research Center, University of Hong Kong, August, 2009.

Department of Psychology and Neuroscience Faculty Research Award, 2010.

### **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

Jane 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)

Genes, development, and externalizing behaviors during middle childhood and adolescence  
Brett Haberstick, Institute for Behavioral Genetics, 2000-05, Ph.D. awarded

Naomi Friedman (postdoctoral fellow, 2002-2005)

Tanya Button (postdoctoral fellow, 2005 - 2006)

Christian Hopper, M.D. (K08, Mentored Clinical Scientist, 1999-2004)

David Timberlake (postdoctoral fellow, 2003 - 2006)

Soo Rhee (KO1, Mentored Scientist, 2001-2006)

Susan Young (KO2, Mentored Scientist, 2001-2006)

Marissa Ehringer, PhD (K01, Mentored Scientist, 2005-2010)

Joe Sakai, MD (K08, Mentored Clinical Scientist, 2005-2010)

Jason Boardman, PhD (K01, Mentored Scientist, 2005-2010)

Development of drug abuse and co-morbid disorders  
Rohan Palmer, Institute for Behavioral Genetics, 2005 – 2010, Ph.D. awarded

**Current students and fellows, Institute for Behavioral Genetics, University of Colorado:**

The etiology of executive function and general cognitive ability  
Angela Brant (doctoral student, 2007- )

Evolutionary roles of homozygosity & copy number variation in mental disorders  
Matthew Keller, PhD (K01, Mentored Scientist, 2010-2014)

Behavior genetic models of causation relating environments to psychopathology  
Teresa deCandia (doctoral student, 2009- )

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.)  
Laura Sobik (Psychology, Ph.D.)  
Rohan Palmer (Psychology, Ph.D.)  
Angela Brant (Psychology, Ph.D.)  
Robert Jay Schulz-Heik (Psychology, Ph.D.)  
Angela Friend (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)

**Spring 2005**

Seminar: Behavioral Genetics (Psychology 7102)

**Fall 2006**

Seminar: Behavioral Genetics (Psychology 7102)

**Spring 2007**

Concepts in Behavioral Genetics (Psychology 7102)

**Spring 2008**

Concepts in Behavioral Genetics (Psychology 7102)

**Spring 2009**

Seminar: Behavioral Genetics (Psychology 7102)

**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.

Host organizer and faculty of Eighteenth International Workshop on Twin Methodology, Boulder, Colorado, March, 2005.

Host organizer and faculty of Nineteenth International Workshop on Twin Methodology, Boulder, Colorado, March, 2006.

Host organizer and faculty of Twentieth International Workshop on Twin Methodology, Boulder, Colorado, March, 2007.

Host organizer and faculty of Twenty-first International Workshop on Twin Methodology, Boulder, Colorado, March, 2008.

Host organizer and faculty of Twenty-second International Workshop on Twin Methodology, Boulder, Colorado, March, 2009.

Host organizer and faculty of Twenty-third International Workshop on Statistical Genetics of Methodology of Twin and Family Studies: Introductory Course, Boulder, Colorado, March 2010

**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, Genes, Brain, and Behavior.

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.  
 Behavior Genetics Association, Aix-en-Provence, 2004  
 Behavior Genetics Association, Los Angeles, 2005  
 Behavior Genetics Association, Storrs Connecticut, 2006  
 Research Society on Alcoholism, Baltimore, 2006  
 Secretary of Health and Human Services Advisory Committee on Genetics, Health, and Society, Baltimore, MD, 2006  
 Institute for Behavioral Sciences, University of Colorado, Boulder, Colorado, 2007  
 Neuropsychology Research Group, University of Denver, Denver, Colorado, 2007  
 Developmental Psychobiology Research Group, University of Denver and Health Sciences Center, Denver, Colorado, 2007  
 Behavior Genetics Association, Amsterdam, 2007  
 Behavior Genetics Association, Louisville, Kentucky, 2008.  
 Add Health Users Conference, Bethesda, Maryland, 2008.  
 Eating Disorders Workshop, Valencia, Spain, 2008  
 Public Health Research Center, University of Hong Kong, August, 2009.

**PUBLICATIONS** (in reverse chronological order)

**2010**

Munn, M.A., Stallings, M.C., Rhee, S.H., Sobik, L.E., Corley, R.P., Rhea, S.A., Hewitt, J.K. (2010). Bivariate analysis of disordered eating characteristics in adolescence and young adulthood. *The International Journal of Eating Disorders*, 43(8), 751-61. PubMed PMID 20957703.

Haberstick, B.C., Ehringer, M.A., Lessem, J.M., Hopfer, C.J., Hewitt, J.K. (2010). Dizziness and the genetic influences on subjective experiences to initial cigarette use. *Addiction*, Oct 19. [Epub ahead of print] PubMed PMID 20955488.

Haberstick, B.C., Zeiger, J.S., Corley, R.P., Hopfer, C.J., Stallings, M.C., Rhee, S.H., Hewitt, J.K. (2010). Common and drug-specific genetic influences on subjective effects to alcohol, tobacco and marijuana use. *Addiction*, Oct 19. [Epub ahead of print] PubMed PMID 20955487.

Button, T.M., Stallings, M.C., Rhee, S.H., Corley, R.P., Hewitt, J.K. (2010). The Etiology of Stability and Change in Religious Values and Religious Attendance. *Behavior Genetics*, Aug 15. [Epub ahead of print] PubMed PMID 20711848.

Cosgrove, V.E., Rhee, S.H., Gelhorn, H.L., Boeldt, D., Corley, R.C., Ehringer, M.A., Young, S.E., Hewitt, J.K., (2010). Structure and Etiology of Co-occurring Internalizing and Externalizing Disorders in Adolescents. *Journal of Abnormal Child Psychology*, Aug 4. [Epub ahead of print] PubMed PMID 20683651.

Button, T.M., Hewitt, J.K., Rhee, S.H., Corley, R.P., Stallings, M.C. (2010). The moderating effects of religiosity on the genetic variance of problem alcohol use. *Alcoholism, Clinical and Experimental Research*, Sep 1, 34(9), 1619-24. PubMed PMID 20569244.

Sakai, J.T., Boardman, J.D., Gelhorn, H.L., Smolen, A., Corley, R.P., Huizinga, D., Menard, S., Hewitt, J.K., Stallings, M.C. (2010). Using trajectory analyses to refine phenotype for genetic association: conduct problems and the serotonin transporter (5HTTLPR). *Psychiatric Genetics*, 20(5), 199-206. PubMed PMID: 20421847.

Zeiger, J.S., Haberstick, B.C., Corley, R.P., Ehringer, M.A., Crowley, T.J., Hewitt, J.K., Hopfer, C.J., Stallings, M.C., Young, S.E., Rhee, S.H. (2010). Subjective effects to marijuana associated with marijuana use in community and clinical subjects. *Drug and Alcohol Dependence*, Jun 1, 109(1-3), 161-166. PubMed PMID 20149559.

Haberstick, B.C., Lessem, J.M., McQueen, M.B., Boardman, J.D., Hopfer, C.J., Smolen, A., Hewitt, J.K. (2010). Stable genes and changing environments: Body mass index across adolescence and young adulthood. *Behavior Genetics*, 40(4). 495-504. PubMed PMID 20087641.

Schulz-Heik, R.J., Rhee, S.H., Silvern, L.E., Haberstick, B.C., Hopfer, C., Lessem, J.M., Hewitt, J.K. (2010). The association between conduct problems and maltreatment: testing genetic and environmental mediation. *Behavior Genetics*, 40(3), 338-348. PubMed PMID 20024671.

**2009**

Brant, A.M., Haberstick, B.C., Corley, R.P., Wadsworth, S.J., DeFries, J.C., & Hewitt, J.K. (2009). The Developmental Etiology of High IQ. *Behavior Genetics*, 39(4), 393-405.

Button, T.M.M., Stallings, M.C., Rhee, S.H., Corley, R.P., Boardman, J.D., & Hewitt, J.K. (2009). Perceived peer delinquency and the genetic predisposition for substance dependence vulnerability. *Drug and Alcohol Dependence*, 100(1-2), 1-8.

Friedman, N.P., Corley, R.P., Hewitt, J.K., & Wright, K.P. (2009). Individual differences in childhood sleep problems predict later cognitive executive control. *Sleep*, 32(3), 323-333.

Gelhorn, H., Hartman, C., Sakai, J., Mikulich-Gilbertson, S., Stallings, M., Young, S., Rhee, S., Corley, R., Hewitt, J., Hopfer, C., & Crowley, T. (2009). An item response theory analysis of DSM-IV conduct disorder. *Journal of the American Academy of Child and Adolescent Psychiatry*, January 48(1), 42-50.

Hartman, C.A., Hopfer, C.J., Haberstick, B., Rhee, S.H., Crowley, T.J., Corley, R.P., Hewitt, J.K., Ehringer, M.A. (2009). The association between cannabinoid receptor 1 gene (CNR1) and cannabis dependence symptoms in adolescents and young adults. *Drug Alcohol Dependence*, Sept 1, 104 (1-2), 11-6. PubMed PMID: 19443135; PubMed Central PMCID: PMC2769509.

Haworth, C.M.A., Wright, M.J., Luciano, M., Martin, N.G., de Geus, E.J.C., van Beijsterveldt, C.E.M., Bartels, M., Posthuma, D., Boomsma, D.I., Davis, O.S.P., Kovas, Y., Corley, R.P., DeFries, J.C., Hewitt, J.K., Olson, R.K., Rhea, S.-A., Wadsworth, S.J., Iacono, W.G., McGue, M., Thompson, L.A., Hart, S.A., Petrill, S.A., & Lubinski, D., & Plomin, R. (2009). The heritability of general cognitive ability increases linearly from childhood to young adulthood. *Molecular Psychiatry*, June 2, 1-9.

Haworth, C.M.A., Wright, M.J., Martin, N.W., Martin, N.G., Boomsma, D.I., Bartels, M., Posthuma D., Davis, O.S.P., Brant, A.M., Corley, R.P., Hewitt, J.K., Iacono, W.G., McGue, M., Thompson, L.A., Hart, S.A., Petrill, S.A., Lubinski, D., Plomin, R. (2009). A twin study of the genetics of high cognitive ability selected from 11,000 twin pairs in six studies from four countries. *Behavior Genetics*, 39(4), 359-370.

Palmer, R.H., Young, S.E., Hopfer, C.J., Corley, R.P., Stallings, M.C., Crowley, T.J., & Hewitt, J.K. (2009). Developmental epidemiology of drug use and abuse in adolescence and young adulthood: Evidence of generalized risk. *Drug and Alcohol Dependence*, (1-3), 78-87.

Schulz-Heik, J.R., Rhee, S.H., Silvern, L.E., Haberstick, B.C., Hopfer, C., Lessem, J.M., & Hewitt, J.K. (2009). The association between conduct problems and maltreatment: Testing genetic and environmental mediation. *Behavior Genetics*, Dec 19. [Epub ahead of print] PubMed PMID: 20024671.

Schulz-Heik, J.R., Rhee, S.H., Silvern, L.E., Lessem, J.M., Haberstick B.C., Hopfer, C., & Hewitt, J.K. (2009). Investigation of genetically mediated child effects on maltreatment. *Behavior Genetics*, 39(3), 265-276.

Young, S.E., Friedman, N.P., Miyake, A., Willcutt, E.G., Corley, R.P., Haberstick, B.C., & Hewitt, J.K. (2009). Behavioral disinhibition: Liability for externalizing spectrum disorders and its genetic and environmental relation to response inhibition across adolescence. *Journal of Abnormal Psychology* 118(1), 117-130.

## 2008

Boardman, J.D., Saint Onge J.M., Haberstick, B.C., Timberlake, D.S., & Hewitt, J.K. (2008). Do schools moderate the genetic determinants of smoking? *Behavior Genetics*, 38(3), 234-246.

Corley, R.P., Zeiger, J.S., Crowley, T., Ehringer, M.A., Hewitt, J.K., Hopfer, C.J., Lessem, J., McQueen, M.B., Rhee, S.H., Smolen, A., Stallings, M.C., Young, S.E., & Krauter, K. (2008). Association of candidate genes with antisocial drug dependence in adolescents. *Drug and Alcohol Dependence*, 96(1-2), 90-98.

Faith, M.S., Rhea, S.A., Corley, R.P., & Hewitt, J.K. (2008). Genetic and shared environmental influences on children's 24-h food and beverage intake: Sex differences at age 7 y<sup>1-3</sup>. *American Journal of Clinical Nutrition*, 87(4), 903-911.

Friedman, N.P., Miyake A., Young, S.E., DeFries J.C., Corley, R.P., & Hewitt, J.K. (2008). Individual differences in executive functions are almost entirely genetic in origin. *Journal of Experimental Psychology and Genetics*, 137(2), 201-225.

Gelhorn, H., Hartman, C., Sakai, J., Stallings, M., Young, S., Rhee, S., Corley, R., Hewitt, J., Hopfer, C., & Crowley, T. (2008). Toward DSM-V: An item response theory analysis of the diagnostic process for DSM-IV alcohol abuse and dependence in adolescents. *Journal of the American Academy of Child and Adolescent Psychiatry*, 47(11), 1329-1339.

Hartman, C.A., Gelhorn, H., Crowley, T.J., Sakai, J.T., Stallings, M., Young, S.E., Rhee, S.H., Corley, R., Hewitt, J.K., & Hopfer, C.J. (2008). Item response theory analysis of DSM-IV cannabis abuse and

dependence criteria in adolescents. *Journal of the American Academy of Child & Adolescent Psychiatry*, 47(2), 165-173.

Haberstick, B.C., Timberlake, D., Hopfer, C.J., Lessem, J.M., Ehringer, M.A., Hewitt, J.K. (2008). Genetic and environmental contributions to retrospectively reported DSM IV childhood attention deficit hyperactivity disorder. *Psychological Medicine*, 38(7), 1057-1066.

Schlaepfer, I.R., Hoft, N.R., Collins, A.C., Corley, R.P., Hewitt, J.K., Hopfer, C.J., Lessem, J.M., McQueen, M.B., Rhee, S.H., & Ehringer, M.A. (2008). The CHRNA5/A3/B4 gene cluster variability as an important determinant of early alcohol and tobacco initiation in young adults. *Biological Psychiatry*, 63(11), 1039-1046.

Schulz-Heik, R.J., Maentz, S.K., Rhee, S.H., Gelhorn, H.L., Young, S.E., Stallings, M.C., Timberlake, D., Smolen, A., Stetler, G.L., Sakai, J.T., & Crowley, T.J. (2008). Case-control and within-family tests for an association between conduct disorder and DAT1. *Psychiatric Genetics*, 18, 17-24.

Subbarao, A., Rhee, S.H., Young, S.E., Ehringer, M.A., Corley, R.P., & Hewitt, J.K. (2008). Common genetic and environmental influences on major depressive disorder and conduct disorder. *Journal of Abnormal Child Psychology*, 36(3), 433-444.

Zeiger, J.S., Haberstick, B.C., Schlaepfer, I., Collins, A.C., Corley, R.P., Crowley, T.J., Hewitt, J.K., Hopfer, C.J., Lessem, J., McQueen, M.B., Rhee, S.H., & Ehringer, M.A. (2008). The neuronal nicotinic receptor subunit genes (CHRNA6 and CHRN3) are associated with subjective responses to tobacco. *Human Molecular Genetics*, 17(5), 724-734.

## 2007

Button, T.M., Corley, R.P., Rhee, S.H., Hewitt, J.K., Young, S.E., & Stallings, M.C. (2007). Delinquent peer affiliation and conduct problems: A twin study. *Journal of Abnormal Psychology*, 116(3), 554-564.

Button, T.M., Rhee, S.H., Hewitt, J.K., Young, S.E., Corley, R.P., & Stallings, M.C. (2007). The role of conduct disorder in explaining the comorbidity between alcohol and illicit drug dependence in adolescence. *Drug and Alcohol Dependence*, 87(1), 46-53.

Ehringer, M.A., Cleg, H.V., Collins, A.C., Corley, R.P., Crowley, T., Hewitt, J.K., Hopfer, C.J., Krauter, K., Lessem, J., Rhee, S.H., Schlaepfer, I., Smolen, A., Stallings, M.C., Young, S.E., & Zeiger, J.S. (2007). Association of the neuronal nicotinic receptor beta2 subunit gene (CHRN2) with subjective responses to alcohol and nicotine. *American Journal of Medical Genetics, B Neuropsychiatric Genetics*, 144B(5), 596-604.

Friedman, N.P., Haberstick, B.C., Willcutt, E.G., Miyake, A., Young, S.E., Corley, R.P., & Hewitt, J.K. (2007). Greater attention problems during childhood predict poorer executive functioning in late adolescence. *Psychological Science*, 18(10), 893-900.

Haberstick, B.C., Timberlake, D., Ehringer, M.A., Lessem, J.M., Hopfer, C.J., Smolen, A., & Hewitt, J.K. (2007). Genes, time to first cigarette and nicotine dependence in a general population sample of young adults. *Addiction*, 102(4), 655-665.

Haberstick, B.C., Timberlake, D., Hopfer, C.J., Lessem, J.M., Ehringer, M.A., & Hewitt, J.K. (2007). Genetic and environmental contributions to retrospectively reported DSM-IV childhood attention deficit hyperactivity disorder. *Psychological Medicine* 25,1-10.

Haberstick, B.C., Timberlake, D., Smolen, A., Sakai, J.T., Hopfer, C.J., Corley, R.P., Young, S.E., Stallings, M.C., Huizinga, D., Menard, S., Hartman, C., Grotper, J., & Hewitt, J.K. (2007). Between- and within-family association test of the dopamine receptor D2 TaqIA polymorphism and alcohol abuse and dependence in a general population sample of adults. *Journal of Studies on Alcohol and Drugs*, 68(3), 362-370.

Hopfer, C.J., Lessem, J.M., Hartman, C.A., Stallings, M.C., Cherny, S.S., Corley, R.P., Hewitt, J.K., Krauter, K.S., Mikulich-Gilbertson, S.K., Rhee, S.H., Smolen, A., Young, S.E., & Crowley, T.J. (2007). A genome-wide scan for loci influencing adolescent cannabis dependence symptoms: Evidence for linkage on chromosomes 3 and 9. *Drug and Alcohol Dependence*, 89(1), 34-41.



Rhee SH, Cosgrove VE, Schmitz S, Haberstick BC, Corley RC, & Hewitt JK.(2007). Early childhood temperament and the covariation between internalizing and externalizing behavior in school-aged children. *Twin Research and Human Genetics*, 10(1), 33-44.

Rhee, S.H., Neale, M.C., Corley, R.C., & Hewitt, J.K. (2007). The inclusion of measured covariates in the Neale and Kendler model fitting approach. *Behavior Genetics*, 37(2), 423-32.

Sakai, J.T., Hopfer, C.J., Hartman, C., Haberstick, B.C., Smolen, A., Corley, R.P., Stallings, M.C., Young, S.E., Timberlake, D., Hewitt, J.K., & Crowley, T.J. (2007). Test of association between TaqIA A1 allele and alcohol use disorder phenotypes in a sample of adolescent patients with serious substance and behavioral problems. *Drug and Alcohol Dependence*, 88(2-3), 130-7.

Sakai, J.T., Lessem, J.M., Haberstick, B.C., Hopfer, C.J., Smolen, A., Ehringer, M.A., Timberlake, D., & Hewitt, J.K. (2007). Case-control and within-family tests for association between 5HTTLPR and conduct problems in a longitudinal adolescent sample. *Psychiatric Genetics*, 17(4), 207-214.

Schlaepfer, I.R., Clegg, H.V., Corley, R.P., Crowley, T.J., Hewitt, J.K., Hopfer, C.J., Krauter, K., Lessem, J., Rhee, S.H., Stallings, M.C., Wehner, J.M., Young, S.E., & Ehringer, M.A. (2007). The human protein kinase C gamma gene (PRKCG) as a susceptibility locus for behavioral disinhibition. *Addiction Biology* 12(2), 200-209.

Schlaepfer I.R., Hoft N.R., Collins, A.C., Corley, R.P., Hewitt, J.K., Hopfer, C.J., Lessem, J.M., McQueen, M.B., Rhee, S.H., Ehringer, M.A. (2007). The CHRNA5/A3/B4 gene cluster variable as an important determinant of early alcohol and tobacco initiation in young adults. *Biological Psychiatry*, Dec. 26.

Timberlake, D.S., Haberstick, B.C., Hopfer, C.J., Bricker, J., Sakai, J.T., Lessem, J.M., & Hewitt, J.K. (2007). Progression from marijuana use to daily smoking and nicotine dependence in a national sample of U.S. adolescents. *Drug and Alcohol Dependence*, 88(2-3), 272-281.

Timberlake, D.S., Hopfer, C.J., Rhee, S.H., Friedman, N.P., Haberstick, B.C., Lessem, J.M., & Hewitt, J.K. (2007). College attendance and its effect on drinking behaviors in a longitudinal study of adolescents. *Alcoholism: Clinical and Experimental Research*, 31(6), 1020-1030.

## 2006

Bricker, J.B., Stallings, M.C., Corley, R.P., Wadsworth, S.J., Bryan, A., Timberlake, D.S., Hewitt, J.K., Caspi, A., Hofer, S.M., Rhea, S.A., & DeFries, J.C. (2006). Genetic and environmental influences on age at sexual initiation in the Colorado Adoption Project. *Behavior Genetics*, 36(6), 820-832.

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Gelhorn, H.L., Stallings, M.C., Young, S.E., Corley, R. P., Rhee, S. & Hewitt, J.K.(2006). Common and specific genetic influences on aggressive and non-aggressive conduct disorder. *Journal of the American Academy of Child and Adolescent Psychiatry*, 45(5), 570-577.

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Haberstick, B.C., Smolen, A., & Hewitt, J.K. (2006). Family-based association test of the 5HTTLPR and aggressive behavior in a general population sample of children. *Biological Psychiatry*, 59(9), 836-843.

Hopfer, C.J., Young, S.E., Purcell, S., Crowley, T.J., Stallings, M.C., Corley, R.P., Rhee, S.H., Smolen, A., Krauter, K., Hewitt, J.K., & Ehringer, M.A. (2006). Cannabis receptor haplotype associated with fewer cannabis dependence symptoms in adolescents. *American Journal of Medical Genetics Neuropsychiatric Genetics*, *141*, 895-901.

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Timberlake, D.S., Haberstick, B.C., Hopfer, C., Lessem, J.M., Smolen, A., Ehringer, M.A., & Hewitt, J.K. (2006). An association between the DAT1 polymorphism and smoking behavior in young adults from the National Longitudinal Study of Adolescent Health. *Health Psychology*, *25*(2), 190-197.

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Young, S.E., Rhee, S.H., Stallings, M.C., Corley, R.P., & Hewitt, J.K. (2006). Genetic and environmental vulnerabilities underlying adolescent substance use and problem use: General or specific? *Behavior Genetics*, *36*(4), 603-615.

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Gelhorn, H.L., Stallings, M.C., Young, S.E., Corley, R.P., Rhee, S. & Hewitt, J.K. (2005). Genetic and environmental influences on conduct disorder: Symptom, domain and full-scale analyses. *Journal of Child Psychology and Psychiatry*, *46*, 580-591.

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O: CVHewitt 12-13-2010