

# 40th Annual Meeting of the Behavior Genetics Association

## Summary of All Sessions

#	Date/Time	Location	Type	JEL	Room	Title	Papers
1	June 3, 2010 9:00-10:30	N/A	contributed			<a href="#">Symposium: Developmental Models of Genetic and Environmental Influence on Cognitive Ability</a>	4
2	June 3, 2010 9:00-10:30	N/A	contributed			<a href="#">Symposium; Developmental Disorders: The genetics of autism and the cognitive characteristics of ADHD</a>	4
3	June 3, 2010 11:00-12:30	N/A	contributed			<a href="#">Symposium: Mouse genetic approaches to understanding higher cognitive functions: Genes, Synapses, and Circuits</a>	5
4	June 3, 2010 11:00-12:30	N/A	contributed			<a href="#">Symposium: Internalizing Psychopathology</a>	4
5	June 3, 2010 13:30-15:00	N/A	contributed			<a href="#">Paper Session: Animal Behavior Genetic Studies of Taste, Growth, Personality, and Neuroimaging</a>	4
6	June 3, 2010 13:30-15:00	N/A	contributed			<a href="#">Symposium: Externalizing Psychopathology: ADHD and Impulsivity</a>	5
7	June 3, 2010 15:30-17:00	N/A	contributed			<a href="#">Symposium: Genetic Studies of Work Behavior</a>	5
8	June 3, 2010 15:30-17:00	N/A	contributed			<a href="#">Symposium: Externalizing Psychopathology: Aggression, Psychopathy, &amp; Antisocial Behavior</a>	5

9	June 4, 2010 9:00-10:30	N/A	contributed			<a href="#">Symposium: Imaging Genetics: A Happy Marriage?</a>	4
10	June 4, 2010 9:00-10:30	N/A	contributed			<a href="#">Paper Session: Drinking &amp; Alcohol Problems</a>	5
11	June 4, 2010 11:00-12:30	N/A	contributed			<a href="#">Paper Session: Personality</a>	5
12	June 4, 2010 11:00-12:30	N/A	contributed			<a href="#">Paper Session: Quantitative Genetic Methods</a>	5
13	June 4, 2010 13:30-15:00	N/A	contributed			<a href="#">Symposium: Statistical Issues in Genetic Association Studies</a>	5
14	June 4, 2010 13:30-15:00	N/A	contributed			<a href="#">Paper Session: IQ, Cognitive Abilities, and Language: Part I</a>	5
15	June 4, 2010 15:30-17:00	N/A	contributed			<a href="#">Paper Session: IQ, Cognitive Abilities, and Language: Part II</a>	4
16	June 4, 2010 15:30-17:00	N/A	contributed			<a href="#">Paper Session: In-Group Favoritism, Cooperation, Sexual Orientation, Ethnic Identity, and Risk Behaviors</a>	5
17	June 4, 2010 17:00-19:30	N/A	poster			<a href="#">Poster Session 1</a>	5
18	June 4, 2010 17:00-19:30	N/A	poster			<a href="#">Poster Session 2</a>	5
19	June 4, 2010 17:00-19:30	N/A	poster			<a href="#">Poster Session 3</a>	5
20	June 4, 2010 17:00-19:30	N/A	poster			<a href="#">Poster Session 4</a>	5
21	June 4, 2010 17:00-19:30	N/A	poster			<a href="#">Poster Session 5</a>	5

22	June 4, 2010 17:00-19:30	N/A	poster			<a href="#">Poster Session 6</a>	5
23	June 4, 2010 17:00-19:30	N/A	poster			<a href="#">Poster Session 7</a>	5
24	June 4, 2010 17:00-19:30	N/A	poster			<a href="#">Poster Session 8</a>	5
25	June 5, 2010 10:15-11:45	N/A	contributed			<a href="#">Paper Session: Psychopathology &amp; Adjustment</a>	5
26	June 5, 2010 12:15-13:15	N/A	contributed			<a href="#">Business Meeting</a>	0
27	June 5, 2010 13:15-14:45	N/A	contributed			<a href="#">Paper Session: Temperament, Behavior Problems, IQ, &amp; Adjustment in Children &amp; Adolescents</a>	4

**27 sessions, 123 papers**

---

## 40th Annual Meeting of the Behavior Genetics Association

### Complete List of All Sessions

---

#### **Session 1: Symposium: Developmental Models of Genetic and Environmental Influence on Cognitive Ability**

**Session Chair:** [Kathryn Harden](#), University of Virginia

**Session type:** contributed

**Date: June 3, 2010**

**Time: 9:00 - 10:30**

**Multivariate genetic analysis of longitudinally measured cognitive abilities**

**By Sanja Franić; VU University Amsterdam, The Netherlands**

**Conor V. Dolan; University of Amsterdam, The Netherlands**

**Denny Borsboom; University of Amsterdam, The Netherlands**

**Catherina E.M. van Beijsterveldt; VU University Amsterdam, The Netherlands**

**Dorret I. Boomsma; VU University Amsterdam, The Netherlands**

**Time-limited effect of the nonshared environment on cognitive ability**

**By Christopher Beam; University of Virginia**

**William T. Dickens; Northeastern University**

**Eric Turkheimer; University of Virginia**

**Genes Amplify Interest-Achievement Matching for Adolescents Living in Higher Income Homes**

**By Elliot M. Tucker-Drob and K. Paige Harden;**

**The University of Texas, Austin, Texas**

**Community Structural Factors and Genetic Influences on Adolescent Cognitive Ability**

**By K. Paige Harden; University of Texas at Austin**

**Elliot M. Tucker-Drob; University of Texas at Austin**

---

**Session 2: Symposium; Developmental Disorders: The genetics of autism and the cognitive characteristics of ADHD**

**Session Chair: [Tinca Polderman](#), VU University Amsterdam**

**Session type: contributed**

**Date: June 3, 2010**

**Time: 9:00 - 10:30**

**ADHD related symptoms and the genetic association with cognition**

**By Tinca JC Polderman; Dept. Functional Genomics, Center for Neurogenomics and Cognitive Research (CNCR), VU University, Amsterdam, The Netherlands**

**The genetic architecture of event-related brain dynamics in ADHD**

**By Gráinne McLoughlin; MRC SGDP Centre, Institute of Psychiatry, King's College, London, UK**

**Fruhling Rijksdijk; MRC SGDP Centre, Institute of Psychiatry, King's College, London, UK**

**Jonna Kuntsi; MRC SGDP Centre, Institute of Psychiatry, King's College, London, UK**

**Philip Asherson; MRC SGDP Centre, Institute of Psychiatry, King's College, London, UK**

**Nima Bigdely Shamlo; Institute for Neural Computation, University of California San Diego, USA**

**Jason Palmer; Institute for Neural Computation, University of California San Diego, USA**

**Scott Makeig; Institute for Neural Computation, University of California San Diego, USA**

**Disentangling genetic and assortative mating effects on autistic traits: an extended twin family study in adults**

**By Rosa A. Hoekstra; Department of Life Sciences, Faculty of Science, The Open University, Milton Keynes, UK**

**Anna A.E. Vinkhuyzen; Functional Genomics, Center for Neurogenomics and Cognitive Research (CNCR), VU University, Amsterdam, the Netherlands**

**Sophie van der Sluis; Functional Genomics, CNCR, VU University, Amsterdam, the Netherlands**

**Danielle Posthuma; Functional and Medical Genomics, CNCR, VU University, Amsterdam, the Netherlands**

**Evidence from two independent population-based twin studies for behavioral and genetic 'fractionation' of autistic symptoms**

**By Angelica Ronald; Centre for Brain and Cognitive Development, Birkbeck, University of London**

**Henrik Larsson; Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden**

**Henrik Anckarsater; Forensic Psychiatry, Institute of Neuroscience and Physiology, Sahlgren's Academy, University of Gothenburg, Sweden**

**Elise Robinson; Harvard School of Public Health, Harvard, USA**

**Karestan Koenen; Harvard School of Public Health, Harvard, USA**

**Francesca Happé; Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, King's College London, UK**

**Robert Plomin; Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, King's College London, UK**

**Paul Lichtenstein; Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden**

---

**Session 3: Symposium: Mouse genetic approaches to understanding higher cognitive functions: Genes, Synapses, and Circuits**

**Session Chair: [Daesoo Kim](#), KAIST**

**Session type: contributed**

**Date: June 3, 2010**

**Time: 11:00 - 12:30**

**Observational fear learning by empathy involves affective pain system and Cav1.2 Ca<sup>2+</sup> channels in anterior cingulate cortex.**

**By Hee-Sup Shin; Center for Neural Science, KIST  
Seoul, Korea**

**Genes contributing to brain and cognitive impairment of mouse models for Trisomy 21 (Down syndrome)**

**By Pierre L Roubertoux;INSERM 910, Génétique Médicale & Génomique fonctionnelle,  
Aix-Marseille 2 University, 13331 Marseille, France  
Michèle Carlier; 2LPC UMR 6146 CNRS and Aix-Marseille University University, 13331  
Marseille, France**

**Genetic studies of stuttering**

**By Changsoo Kang;NIDCD/National Institutes of Health, Bethesda, MD, USA.  
Sheikh Riazuddin;National Centre of Excellence in Molecular Biology, University of the  
Punjab, Lahore, Pakistan.  
Jennifer Mundorff;Hollins Communications Research Institute, Roanoke, VA, USA.  
Donna Krasnewich;NHGRI/National Institutes of Health, Bethesda, MD, USA.  
Penelope Friedman;Clinical Center, National Institutes of Health, Bethesda, MD, USA.  
James C. Mullikin;Genome Technology Branch/National Human Genome Research Institute,  
Bethesda, MD, USA.  
Dennis Drayna;NIDCD/National Institutes of Health, Bethesda, MD, USA.**

**PSD-95-associated proteins in the regulation of higher brain functions**

**By Eunjoon Kim; Department of Biological Sciences, Korea Advanced Institute of Science and  
Technology (KAIST), Daejeon 305-701, Korea**

**Identifying a fear memory trace**

**By Jin-Hee Han; KAIST**

---

## **Session 4: Symposium: Internalizing Psychopathology**

**Session Chair: [Meike Bartels](#), VU University**

**Session type: contributed**

**Date: June 3, 2010**

**Time: 11:00 - 12:30**

**Toddlers' Aversive Behavior toward their Mothers: Authoritative Parenting Improves Outcomes for Children with High Genetic Risk for Internalizing Problems**

**By Leslie D. Leve; Oregon Social Learning Center  
Kimberly Rhoades; Oregon Social Learning Center  
Gordon T. Harold; University of Otago  
Jenae M. Neiderhiser; The Penn State University  
John B. Reid; Oregon Social Learning Center  
Laura V. Scaramella; University of New Orleans  
Daniel S. Shaw; University of Pittsburgh  
David Reiss; Yale Child Study Center**

**Testing Causality in the Association between Exercise and Internalizing Problems in Adolescents**

**By Niels van der Aa; VU University Amsterdam  
Eco J.C. de Geus; VU University Amsterdam  
Marleen M. de Moor; VU University Amsterdam  
Dorret I. Boomsma; VU University Amsterdam  
Meike Bartels; VU University Amsterdam**

**Genetic and Environmental Influences on the Association between Early Puberty and Internalizing Problems**

**By Kristine Marceau; The Pennsylvania State University  
Jenae M. Neiderhiser; The Pennsylvania State University  
Paul Lichtenstein; Karolinska Institute**

**Parental divorce and children's behavioral problems: evidence for gene-environment interaction**

**By Sylvana C.C. Robbers; Erasmus University Medical Center – Sophia, Rotterdam, The Netherlands; VU University Amsterdam, The Netherlands.  
Meike Bartels; VU University Amsterdam, The Netherlands.  
Floor V.A. van Oort; Erasmus University Medical Center – Sophia, Rotterdam, The Netherlands.  
Frank C. Verhulst; Erasmus University Medical Center – Sophia, Rotterdam, The Netherlands.  
Anja C. Huizink; University of Amsterdam, The Netherlands.  
Dorret I. Boomsma; VU University Amsterdam, The Netherlands.**

---

**Session 5: Paper Session: Animal Behavior Genetic Studies of Taste, Growth, Personality, and Neuroimaging**

---

## **Session 6: Symposium: Externalizing Psychopathology: ADHD and Impulsivity**

**Session Chair:** [Irwin Waldman](#), Emory University

**Session type:** contributed

**Date:** June 3, 2010

**Time:** 13:30 - 15:00

**Genome-wide association analysis of Attention Deficit Hyperactivity Disorder**

**By Benjamin Neale; Massachusetts General Hospital and the Broad Institute of Harvard and MIT**

**ADHD subgroup of Psychiatric GWAS Consortium**

**Genome-wide linkage and association study of ADHD in adults**

**By Dorret I Boomsma; Biol Psychol, VU Univ, Amsterdam, Netherlands**

**Viatcheslav Saviouk; Biol Psychol, VU Univ, Amsterdam, Netherlands**

**Jouke-Jan Hottenga; Biol Psychol, VU Univ, Amsterdam, Netherlands**

**Eco JC de Geus; Biol Psychol, VU Univ, Amsterdam, Netherlands**

**Gonneke Willemsen; Biol Psychol, VU Univ, Amsterdam, Netherlands**

**Understanding Between-Study Heterogeneity in the Association of Childhood Attention Deficit Hyperactivity Disorder with DAT1, DRD4, and the 5HTTLPR**

**By Irwin D. Waldman; Emory University**

**Lu Dong; Emory University**

**Courtney Ficks; Emory University**

**Ian Gizer; University of North Carolina-Chapel Hill**

**Smoking during pregnancy, maternal xenobiotic metabolism genes, and child externalizing behavior: A case-crossover design**

**By Valerie S. Knopik; Division of Behavioral Genetics, Dept of Psychiatry, Rhode Island Hospital, Brown University, Providence, RI**

**Nicole Nugent; Department of Psychiatry and Human Behavior, Brown University, Providence, RI;**

**John McGeary; Division of Behavioral Genetics, Dept of Psychiatry, Rhode Island Hospital, Brown University, Providence, RI**

**Andrew C. Heath; Missouri Alcoholism Research Center, Departments of Psychiatry and Genetics, Washington University School of Medicine, St. Louis, MO**

**How Phenotype Affects the Genes We Find**

**By Danielle M. Dick; Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University, Richmond, VA**

**Fazil Aliev; Virginia Institute for Psychiatric and Behavioral Genetics, Virginia**



**Commonwealth University, Richmond, VA**  
**John Kramer; University of Iowa College of Medicine, Iowa City, IA**  
**Samuel Kuperman; University of Iowa College of Medicine, Iowa City, IA**  
**Bernice Porjesz; State University of New York (SUNY) Downstate Medical Center, Brooklyn, NY**  
**Victor Hesselbrock; University of Connecticut Health Center, Farmington, CT**  
**Marc Schuckit; University of California, San Diego VA Medical Center, San Diego, CA**  
**Howard Edenberg; Indiana University School of Medicine, Indianapolis, IN**  
**John Nurnberger, Jr.; Indiana University School of Medicine, Indianapolis, IN**  
**Arpana Agrawal; Washington University, St. Louis**  
**Jen Wang; Washington University, St. Louis**  
**Kathy Bucholz; Washington University, St. Louis**

---

## **Session 7: Symposium: Genetic Studies of Work Behavior**

**Session Chair:** [Zhaoli Song](#), National University of Singapore

**Session type:** contributed

**Date:** June 3, 2010

**Time:** 15:30 - 17:00

### **The Heritability of Work Design Characteristics**

**By Wen-Dong Li; National University of Singapore**  
**Richard D. Arvey; National University of Singapore**  
**Zhaoli Song; National University of Singapore**

### **Heritability of Leadership Emergence as a Function of Age and Gender**

**By Richard D. Arvey; National University of Singapore**  
**Sankalp Chaturvedi; Imperial College London**  
**Michael Zyphur; University of Melbourne**  
**Bruce Avolio; University of Nebraska, Lincoln**  
**Gerry Larsson; Swedish National Defence College**  
**Paul Lichenstein; Korolinaska Institutet**

### **Associations between Dopamine and Serotonin Genes and Job Satisfaction**

**By Zhaoli Song, Wendong Li, & Richard Arvey;**  
**Dept of Management and Organization, NUS Business School, National University of Singapore, Singapore**

**The relationships between HT2RA gene, negative mood and job satisfaction in daily life: An event-sampling approach**

**By**

**Nan Wang and Zhaoli Song;**

**Dept of Management and Organization, NUS Business School, National University of Singapore, Singapore**

**Moderating Effects of Earlier Family Environment on Genetic Influences on Entrepreneurship**

**By Zhen Zhang; Arizona State University Remus Ilies; Michigan State University**

**Richard Arvey; National University of Singapore**

---

## **Session 8: Symposium: Externalizing Psychopathology: Aggression, Psychopathy, & Antisocial Behavior**

**Session Chair: [Irwin Waldman](#), Emory University**

**Session type: contributed**

**Date: June 3, 2010**

**Time: 15:30 - 17:00**

**Interaction between alcohol and oxytocin receptor gene (OXTR) polymorphisms on aggressive behavior in men: An experimental study**

**By Ada Johansson; Department of Psychology and Logopedics/Center of Excellence in Behavior Genetics, Åbo Akademi University, Finland**

**Lars Westberg; Department of Pharmacology/Center of Excellence for Research on Sex Steroids, Sahlgrenska Academy, University of Gothenburg, Sweden**

**Bettina von der Pahlen; Department of Psychology and Logopedics/Center of Excellence in Behavior Genetics, Åbo Akademi University, Finland**

**Pekka Santtila; Department of Psychology and Logopedics/Center of Excellence in Behavior Genetics, Åbo Akademi University, Finland**

**Confirmatory factor analysis of the Antisocial Process Screening Device**

**By Lu Dong; Emory University**

**Irwin D. Waldman; Emory University**

**Concern and Disregard for Others as Predictors of Antisocial Behavior**

**By Soo Hyun Rhee; University of Colorado-Boulder**

**Debra L. Boeldt; University of Colorado-Boulder**

**Robin C. Corley; University of Colorado-Boulder**

**John K. Hewitt; University of Colorado-Boulder**

**Laura K. Hink; University of Colorado-Boulder**

**Ariel Knafo; The Hebrew University of Jerusalem**

**Benjamin S. Lahey; University of Chicago**

**JoAnn Robinson; University of Connecticut**  
**Carol Van Hulle; University of Wisconsin**  
**Irwin D. Waldman; Emory University**  
**Susan Young; University of Colorado-Boulder**  
**Carolyn Zahn-Waxler; University of Wisconsin**

**Neuropeptide Y Moderates the Impact of Childhood Stress on Behavior Problems**

**By T. Caitlin O'Brien; Arizona State University**  
**Kathryn Lemery-Chalfant; Arizona State University**  
**H. Hill Goldsmith; University of Wisconsin-Madison**

**Latent Class Analysis of Childhood Mental Health Symptoms: Estimating the Heritabilities of Empirically Defined Categories**

**By Matthew K. Vendlinski; University of Wisconsin-Madison**  
**Kristin N. Javaras; University of Wisconsin-Madison**  
**Carol A. Van Hulle; University of Wisconsin-Madison**  
**Nicole, L. Schmidt; University of Wisconsin-Madison**  
**Kathryn Lemery-Chalfant; Arizona State University**  
**H. Hill Goldsmith; University of Wisconsin-Madison**

---

**Session 9: Symposium: Imaging Genetics: A Happy Marriage?**

**Session Chair: [Dirk Smit](#), VU university Amsterdam**

**Session type: contributed**

**Date: June 4, 2010**

**Time: 9:00 - 10:30**

**HERITABILITY OF FMRI RESPONSE IN YOUNG ADULT TWINS**

**By Nicholas G Martin; Queensland Inst Medical Research**

**WHITE MATTER CHANGES IN MONOZYGOTIC TWINS DISCORDANT OR CONCORDANT FOR OBSESSIVE-COMPULSIVE SYMPTOMS: A COMBINED VBM-DTI STUDY**

**By Anouk den Braber; VU University Amsterdam, Amsterdam, Netherlands**  
**Dennis van 't Ent; VU University Amsterdam, Amsterdam, Netherlands**  
**Daniëlle C. Cath; Utrecht University, Utrecht, Netherlands**  
**Dorret I. Boomsma; VU University Amsterdam, Amsterdam, Netherlands**  
**Paul M. Thompson; UCLA School of Medicine, Los Angeles, CA, United States**  
**Eco J.C. de Geus; VU University Amsterdam, Amsterdam, Netherlands**

**Heritability of resting state networks from MEG**

**By Dirk J.A. Smit; VU University  
Ronald Janssen; VU University  
Dennis van 't Ent; VU University  
Maria Boersma; VU medical centre  
Dorret I. Boomsma; VU University  
Eco J.C. de Geus; VU University  
Cornelis J. Stam; VU medical centre**

**Heritability of pre-adolescent brain development: a longitudinal twin study**

**By I.L.C. van Soelen; Department of Biological Psychology, VU University Amsterdam, Amsterdam, the Netherlands & Rudolf Magnus Institute of Neuroscience, Department of Psychiatry, University Medical Center Utrecht, Utrecht, the Netherlands.  
R. M. Brouwer; Rudolf Magnus Institute of Neuroscience, Department of Psychiatry, University Medical Center Utrecht, Utrecht, the Netherlands.  
G.C.M. van Baal; Rudolf Magnus Institute of Neuroscience, Department of Psychiatry, University Medical Center Utrecht, Utrecht, the Netherlands.  
H.G. Schnack; Rudolf Magnus Institute of Neuroscience, Department of Psychiatry, University Medical Center Utrecht, Utrecht, the Netherlands.  
J.S. Peper; Department of Experimental Psychology, Utrecht University, the Netherlands.  
L. Chen; Department of Radiology, Peking University People's Hospital, People's Republic of China.  
R.S. Kahn; Rudolf Magnus Institute of Neuroscience, Department of Psychiatry, University Medical Center Utrecht, Utrecht, the Netherlands.  
D.I. Boomsma; Department of Biological Psychology, VU University Amsterdam, Amsterdam, the Netherlands.  
H.E. Hulshoff Pol; Rudolf Magnus Institute of Neuroscience, Department of Psychiatry, University Medical Center Utrecht, Utrecht, the Netherlands.**

---

**Session 10: Paper Session: Drinking & Alcohol Problems**

**Session Chair: [Arpana Agrawal](#), Washington University in St. Louis**

**Session type: contributed**

**Date: June 4, 2010**

**Time: 9:00 - 10:30**

**Measures of Current Alcohol Consumption and Problems: Two Independent Twin Studies Suggest A Complex Genetic Architecture**

**By Jacquelyn L. Meyers; Virginia Commonwealth University  
Richard J. Rose; Indiana University, Bloomington  
Jaakko Kaprio; University of Helsinki & National Institute for Health and Welfare, Finland**

**Kenneth S. Kendler; Virginia Commonwealth University**  
**Danielle M. Dick; Virginia Commonwealth University**

**Gene-environment correlation and interaction between educational level and alcohol problems in young adulthood: A Finnish twin study**

**By Antti Latvala; National Institute for Health and Welfare and University of Helsinki, Finland**

**Danielle M. Dick; Virginia Commonwealth University, USA**

**Annamari Tuulio-Henriksson; Social Insurance Institution, Finland**

**Jaana Suvisaari; National Institute for Health and Welfare, Finland**

**Richard J. Viken; Indiana University, USA**

**Richard J. Rose; Indiana University, USA**

**Jaakko Kaprio; University of Helsinki and National Institute for Health and Welfare, Finland**

**The genetic architecture of alcohol consumption in adolescents: effects of age and gender?**

**By L.M. Geels; Department of Biological Psychology, VU University Amsterdam, The Netherlands & EMGO+ Institute, VU University Medical Center, Amsterdam, the Netherlands**

**M. Bartels; Department of Biological Psychology, VU University Amsterdam, The Netherlands & EMGO+ Institute, VU University Medical Center, Amsterdam, the Netherlands**

**C.E.M. van Beijsterveldt; Department of Biological Psychology, VU University Amsterdam, The Netherlands**

**N. van der Aa; Department of Biological Psychology, VU University Amsterdam, The Netherlands & EMGO+ Institute, VU University Medical Center, Amsterdam, the Netherlands**

**J.H.D.A. van Beek; Department of Biological Psychology, VU University Amsterdam, The Netherlands & EMGO+ Institute, VU University Medical Center, Amsterdam, the Netherlands**

**M.H.M. de Moor; Department of Biological Psychology, VU University Amsterdam, The Netherlands**

**A.H.M. Willemsen; Department of Biological Psychology, VU University Amsterdam, The Netherlands**

**J.M. Vink; Department of Biological Psychology, VU University Amsterdam, The Netherlands**

**D.I. Boomsma; Department of Biological Psychology, VU University Amsterdam, The Netherlands**

**Development of genetic influences on problem drinking liability in Dutch Twins**

**By Jenny H.D.A. van Beek; Department of Biological Psychology, VU University Amsterdam, The Netherlands**

**Kenneth S. Kendler; Department of Psychiatry, Medical College of Virginia/ Virginia Commonwealth University, Richmond, VA**

**Marleen H.M. de Moor; Department of Biological Psychology, VU University Amsterdam, The Netherlands**

**Gonneke Willemsen; Department of Biological Psychology, VU University Amsterdam, The Netherlands**

**Netherlands**

**Jacqueline M. Vink; Department of Biological Psychology, VU University Amsterdam, The Netherlands**

**Stéphanie M. van den Berg; Department of Research Methodology, Measurement and Data Analysis, University of Twente, Enschede, The Netherlands**

**Lot M. Geels; Department of Biological Psychology, VU University Amsterdam, The Netherlands**

**Dorret I. Boomsma; Department of Biological Psychology, VU University Amsterdam, The Netherlands**

**A candidate gene association study of alcohol consumption in young women**

**By Arpana Agrawal; Washington University School of Medicine**

**Michael T. Lynskey; Washington University School of Medicine**

**Sean Kristjansson; Washington University School of Medicine**

**Alexandre Todorov; Washington University School of Medicine**

**Andrew J. Schrage; Washington University School of Medicine**

**Andrew K. Littlefield; University of Missouri - Columbia**

**Qin Zhu; Washington University School of Medicine**

**Elliot C. Nelson; Washington University School of Medicine**

**Pamela A.F. Madden; Washington University School of Medicine**

**Kathleen K. Bucholz; Washington University School of Medicine**

**Kenneth J. Sher; University of Missouri - Columbia**

**Andrew C. Heath; Washington University School of Medicine**

**Session 11: Paper Session: Personality**

**Session Chair: [Jody Ganiban](#), George Washington University**

**Session type: contributed**

**Date: June 4, 2010**

**Time: 11:00 - 12:30**

**A General Factor of Personality and its Relationship to Political Attitudes**

**By Edward Bell; Brescia University College (at the University of Western Ontario)**

**Julie Aitken Schermer; University of Western Ontario**

**Philip A. Vernon; University of Western Ontario**

**Interparental conflict moderates genetic and environmental contributions to negative emotionality**

**By Jody M. Ganiban; George Washington University**

**Mark Feinberg; Pennsylvania State University**

**David Reiss; Yale University**  
**Jenae M. Neiderhiser; Pennsylvania State University**

**A candidate system scoring approach to genome-wide data: Illustration of aggregate main and interactive effects of dopaminergic genes and religious service attendance on sensation seeking and cocaine dependence**

**By Derringer, Jaime; Washington University, St Louis MO**  
**Krueger, Robert F.; Washington University, St Louis MO**  
**Dick, Danielle M.; Virginia Commonwealth University, Richmond VA**  
**Aliiev, Fazil; Virginia Commonwealth University, Richmond VA**  
**Grucza, Richard A.; Washington University, St Louis MO**  
**Saccone, Scott; Washington University, St Louis MO**  
**Agrawal, Arpana; Washington University, St Louis MO**  
**Almasy, Laura; Southwest Foundation, San Antonio TX**  
**Edenberg, Howard J.; Indiana University, Bloomington IN**  
**Foroud, Tatiana; Indiana University, Bloomington IN**  
**Goate, Alison M.; Washington University, St Louis MO**  
**Hesselbrock, Victor M.; University of Connecticut, Farmington CT**  
**Kramer, John R.; University of Iowa, Iowa City IA**  
**Kuperman, Samuel; University of Iowa, Iowa City IA**  
**Lin, Peng; Washington University, St Louis MO**  
**Lynskey, Michael T.; Washington University, St Louis MO**  
**Neuman, Rosalind J.; Washington University, St Louis MO**  
**Nurnberger, John I., Jr.; Indiana University, Bloomington IN**  
**Porjesz, Bernice; SUNY Downstate, Brooklyn NY**  
**Rice, John P.; Washington University, St Louis MO**  
**Schuckit, Marc; University of California at San Diego, La Jolla CA**  
**Tischfield, Jay A.; Rutgers University, Piscataway, NJ**  
**GENEVA consortium;**  
**Bierut, Laura J.; Washington University, St Louis MO**

**Assortative mating for personality: self-ratings and cross-ratings**

**By Marina Egorova; Psychology Department, Lomonosov Moscow State University, Moscow, Russia**  
**Yulia Chertkova; Psychology Department, Lomonosov Moscow State University, Moscow, Russia**  
**Oxana Parshikova; Psychology Department, Lomonosov Moscow State University, Moscow, Russia**  
**Olga Alexeeva; Psychological Institute of Russian Academy of Education, Moscow, Russia**  
**Irina Kozlova; Psychological Institute of Russian Academy of Education, Moscow, Russia**  
**Alina Pankratova; Psychology Department, Lomonosov Moscow State University, Moscow, Russia**  
**Svetlana Pyankova; Psychology Department, Lomonosov Moscow State University, Moscow, Russia**

**Nadejda Zyryanova; Psychology Department, Lomonosov Moscow State University, Moscow, Russia**

**Challenges in Genetically Informative Models of Pubertal Development**

**By Jane Mendle; University of Oregon  
K. Paige Harden; University of Texas, Austin**

---

**Session 12: Paper Session: Quantitative Genetic Methods**

**Session Chair: [Michael Miller](#), University of Minnesota**

**Session type: contributed**

**Date: June 4, 2010**

**Time: 11:00 - 12:30**

**A Graphical User Interface (GUI) for OpenMx.**

**By Gregory Carey; University of Colorado**

**A longitudinal behavior genetics model of ordered categorical variables**

**By Seung Bin Cho; University of Missouri  
Phillip K. Wood; University of Missouri**

**Latent curve analyses of longitudinal twin data using Mplus and OpenBUGS**

**By Pan Wang; University of Southern California  
John J. McArdle; University of Southern California  
Laura A. Baker; University of Southern California**

**Comparative Power for Various Gene-Based Tests of Association**

**By T. Bernard Bigdeli; Department of Human and Molecular Genetics, and Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University, Richmond, VA.  
Brion S. Maher; Departments of Human and Molecular Genetics and Psychiatry, and the Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University, Richmond, VA.**

**Efficient Genomewide Association Analysis in Small Families**

**By Michael B. Miller; U Minnesota  
Matt McGue; U Minnesota**



## **Session 13: Symposium: Statistical Issues in Genetic Association Studies**

**Session Chair:** [Benjamin Neale](#), Massachusetts General Hospital

**Session type:** contributed

**Date:** June 4, 2010

**Time:** 13:30 - 15:00

**Multivariate SNP screen for genome-wide association studies**

**By** Gitta Lubke; University of Notre Dame

**Functional gene group analysis and complex traits**

**By** Danielle Posthuma ; Section Medical Genomics, VUMC Amsterdam &  
Section Functional Genomics, Dept. CNCR, VU Amsterdam

**Examining the effects of Common Environment and Non-additive effects on Family based association results**

**By** Sarah Elizabeth Medland; Queensland Institute of Medical Research  
Karin JH Verweij; Queensland Institute of Medical Research

**Testing for an Unusual Distribution of Rare Variation**

**By** Benjamin M. Neale; The Center for Human Genetic Research, Massachusetts General Hospital and The Broad Institute of Harvard and MIT

**Manuel A. Rivas; The Center for Human Genetic Research, Massachusetts General Hospital and The Broad Institute of Harvard and MIT**

**Benjamin F. Voight; The Center for Human Genetic Research, Massachusetts General Hospital and The Broad Institute of Harvard and MIT**

**David Altshuler; Molecular Biology, Massachusetts General Hospital and The Broad Institute of Harvard and MIT**

**Bernie Devlin; Department of Psychiatry, University of Pittsburgh**

**Marju Orho-Melander; Department of Clinical Sciences, University Hospital, Malmo**

**Sekar Katherisan; Cardiovascular Research Center, Massachusetts General Hospital and The Broad Institute of Harvard and MIT**

**Kathryn Roeder; Department of Statistics, Carnie Mellon University**

**Mark J. Daly; The Center for Human Genetic Research, Massachusetts General Hospital and The Broad Institute of Harvard and MIT**

**A Genome-Wide Association Study for Self-Rated Health**

**By** Bartels, Meike; Department of Biological Psychology, VU University, Amsterdam, the Netherlands & EMGO+ Institute for Health and Care Research, VU University Medical Center, Amsterdam, Netherlands

**Vink, Jacqueline M.; Department of Biological Psychology, VU University, Amsterdam, the**

**Netherlands**

**De Moor, Marleen H.M.;** Department of Biological Psychology, VU University, Amsterdam, the Netherlands

**Hottenga, Jouke-Jan;** Department of Biological Psychology, VU University, Amsterdam, the Netherlands

**De Geus, Eco J.C.;** Department of Biological Psychology, VU University, Amsterdam, the Netherlands

**Smit, Jan H.;** Department of Psychiatry and EMGO+ Institute for Health and Care Research, VU University Medical Center, Amsterdam, Netherlands

**Willemsen, Gonneke;** Department of Biological Psychology, VU University, Amsterdam, the Netherlands

**Penninx, Brenda W.J.H.;** Department of Psychiatry and EMGO+ Institute for Health and Care Research, VU University Medical Center, Amsterdam, Netherlands

**Boomsma, Dorret I.;** Department of Biological Psychology, VU University, Amsterdam, the Netherlands

---

**Session 14: Paper Session: IQ, Cognitive Abilities, and Language: Part I**

**Session Chair:** [Michèle Carlier](#), CNRS-University of Provence

**Session type:** contributed

**Date:** June 4, 2010

**Time:** 13:30 - 15:00

**The Heritability of Intelligence in Adulthood is not only due to Additive Factors, but is also explained by Genetic Dominance and Phenotypic Assortment**

**By Anna A.E. Vinkhuyzen;** Section Functional Genomics, VU University Amsterdam, The Netherlands

**Sophie van der Sluis;** Section Functional Genomics, VU University Amsterdam, The Netherlands

**Hermine H.M. Maes;** Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University, United States of America

**Danielle Posthuma;** Section Functional Genomics, VU University Amsterdam, The Netherlands; Section Medical Genomics, VU Medical Centre, Amsterdam, The Netherlands

**The role of general cognitive ability in explaining the etiology of school achievement - A Gene-Environment interaction analysis**

**By Marion Spengler;** Department of Psychology, Saarland University, Germany

**Frank M. Spinath;** Department of Psychology, Saarland University, Germany

**Juliana Gottschling;** Department of Psychology, Saarland University, Germany

**Ability and Heritability: Investigating the continuous effect of IQ score on IQ etiology in multiple samples**

**By Angela M Brant; Institute for Behavioral Genetics, University of Colorado at Boulder  
Dorret I Boomsma; Department of Biological Psychology, VU University  
Robin P Corley; Institute for Behavioral Genetics; University of Colorado at Boulder  
John C DeFries; Institute for Behavioral Genetics, University of Colorado at Boulder  
Clare MA Haworth; SGDP Centre, Institute of Psychiatry  
John K Hewitt; Institute for Behavioral Genetics, University of Colorado at Boulder  
Nicholas G Martin; Queensland Institute of Medical Research, Brisbane, QLD, Australia  
Matthew McGue; Department of Psychology, University of Minnesota  
Stephen A Petrill; Department of Human Development and Family Science; Ohio State University  
Robert Plomin; SGDP Centre, Institute of Psychiatry, Kings College, London  
Sally J Wadsworth; Institute for Behavioral Genetics, University of Colorado at Boulder  
Margaret J Wright; Queensland Institute of Medical Research, Brisbane, QLD, Australia**

**Laterality and cognition: lesson from individuals with microdeletion 22q11 (DiGeorge syndrome-Velocardiofacial syndrome).**

**By Michèle Carlier; Aix Marseille University CNRS, Marseille, France  
Aude Gérard Desplanches, Aix Marseille University CNRS, Marseille, France  
Nicole Philip; Department of Medical Genetics, Timone Children's Hospital, Marseille, France  
Ann Swillen; Centre for Human Genetics, University Hospital Gasthuisberg, Leuven Belgium**

**Genetic correlates of syllogism-solving ability**

**By Shikishima, Chizuru; Keio Advanced Research Centers, Keio University, Tokyo  
Yamagata, Shinji; Keio Advanced Research Centers, Keio University, Tokyo  
Hiraishi, Kai; Kokoro Research Center, Kyoto University, Kyoto  
Sugimoto, Yutaro; Keio Advanced Research Centers, Keio University, Tokyo  
Ando, Juko; Faculty of Letters, Keio University, Tokyo**

---

**Session 15: Paper Session: IQ, Cognitive Abilities, and Language: Part II**

**Session Chair: [Timothy Bates](#), University of Edinburgh**

**Session type: contributed**

**Date: June 4, 2010**

**Time: 15:30 - 17:00**

**Sex differences in spatial ability: a twin study of opposite- and same-sex pairs**

**By Eero Vuoksimaa; Department of Public Health, University of Helsinki, Finland  
Annamari Tuulio-Henriksson; Research Department, Social Insurance Institution, Helsinki,**

**Finland and Institute of Behavioral Sciences, University of Helsinki, Finland**  
**Richard J. Rose; Department of Psychological and Brain Sciences, Indiana University, Bloomington, USA and Department of Public Health, University of Helsinki, Finland**  
**Jaakko Kaprio; Department of Public Health, University of Helsinki, Finland and Department of Mental Health and Substance Abuse Services, National Institute for Health and Welfare, Helsinki, Finland and Institute for Molecular Medicine, University of Helsinki, Finland**

**Effect of parental age on children's intelligence in the Southwestern China Prospective Twin Registry**

**By Xiaowei Zhang; Department of Psychiatry and Psychiatric Laboratory, West China Hospital, Sichuan University, China. Department of Psychiatry, The University of Hong Kong, Hong Kong, China**

**Stacey S. Cherny, Department of Psychiatry, The University of Hong Kong, Hong Kong, China**  
**Yi Huang, Department of Psychiatry and Psychiatric Laboratory, West China Hospital, Sichuan University, China**

**Xin Gao, Department of Psychiatry and Psychiatric Laboratory, West China Hospital, Sichuan University, China**

**Yun Xiang, Department of Psychiatry and Psychiatric Laboratory, West China Hospital, Sichuan University, China**

**Yixiao Fu, Department of Psychiatry, The First Affiliated Hospital, Chongqing Medical University, Chongqing, China**

**Huaqing Meng, Department of Psychiatry, The First Affiliated Hospital, Chongqing Medical University, Chongqing, China**

**Xiaohong Ma, Department of Psychiatry and Psychiatric Laboratory, West China Hospital, Sichuan University, China**

**Yingcheng Wang, Department of Psychiatry and Psychiatric Laboratory, West China Hospital, Sichuan University, China**

**Tao Li, Department of Psychiatry and Psychiatric Laboratory, West China Hospital, Sichuan University, China**

**Pak Sham, Department of Psychiatry, The University of Hong Kong, Hong Kong, China**

**Hidden Shapes and Jigsaw Puzzles**

**By Yulia Kovas; Goldsmiths College, London**

**Sophia Doherty; King's College, London**

**Ken Hanscombe; King's College, London**

**Robert Plomin; King's College, London**

**Genes for a Component of the Language Acquisition Mechanism: ROBO1 polymorphisms associated with phonological buffer deficits**

**By Timothy C. Bates; University of Edinburgh**

**Michelle Luciano; University of Edinburgh**

**Grant W. Montgomery; Queensland Institute of Medical Research**

**Margaret J. Wright ; Queensland Institute of Medical Research**

**Nicholas G. Martin ; Queensland Institute of Medical Research**

---

**Session 16: Paper Session: In-Group Favoritism, Cooperation, Sexual Orientation, Ethnic Identity, and Risk Behaviors**

**Session Chair:** [Guang Guo](#), UNC - Chapel Hill

**Session type:** contributed

**Date:** June 4, 2010

**Time:** 15:30 - 17:00

**Genetic Evidence for Multiple Biological Mechanisms Underlying In-group Favoritism**

**By Gary J. Lewis; University of Edinburgh**

**Timothy C. Bates; University of Edinburgh**

**Examining the relationship between sexual orientation and depression: overlapping genetic and early environmental influences.**

**By Brendan P. Zietsch; Genetic Epidemiology, Queensland Institute of Medical Research, Brisbane, Queensland, Australia & School of Psychology, University of Queensland, Brisbane, Queensland, Australia.**

**Karin J.H. Verweij; Genetic Epidemiology, Queensland Institute of Medical Research, Brisbane, Queensland, Australia & School of Psychology, University of Queensland, Brisbane, Queensland, Australia.**

**Michael T. Lynskey; Department of Psychiatry, Washington University School of Medicine, St Louis, MO, USA.**

**Elliot C. Nelson; Department of Psychiatry, Washington University School of Medicine, St Louis, MO, USA.**

**Andrew C. Heath; Department of Psychiatry, Washington University School of Medicine, St Louis, MO, USA.**

**Nicholas G. Martin; Genetic Epidemiology, Queensland Institute of Medical Research, Brisbane, Queensland, Australia.**

**Heritability of cooperative behavior on a public goods game**

**By Kai Hiraishi; Kyoto University**

**Chizuru Shikishima; Keio University**

**Juko Ando; Keio University**

**Bio-Ancestry and Social Construction of Racial Identity In the Contemporary United States**

**By Guang Guo; Department of Sociology and Carolina Population Center and Carolina Center for Genome Science, the University of North Carolina**

**Yilan Fu; Department of Sociology and Carolina Population Center, the University of North**

**Carolina**

**Tianji Cai; Department of Sociology and Carolina Population Center, the University of North Carolina**

**Hedwig Lee; School of Public Health - Epidemiology, University of Michigan, Ann Arbor**

**Yi Li; Department of Sociology and Carolina Population Center, the University of North Carolina**

**The Dopamine Transporter Gene, a Spectrum of Most Common Risky Behaviors, and the Legal Status of the Behaviors**

**By Guang Guo; Department of Sociology and Carolina Center for Genome Sciences, the University of North Carolina, Chapel Hill, NC**

**Tianji Cai; Department of Sociology, the University of North Carolina, Chapel Hill, NC**

**Rui Guo; School of Library and Information Sciences, North Carolina Central University, Durham, NC**

**Hongyu Wang; Department of Sociology, University of Macau, Av. Padre Tomás Pereira, Taipa, Macau**

**Kathleen M. Harris; Department of Sociology, the University of North Carolina, Chapel Hill, NC**

---

**Session 17: Poster Session 1**

**Note that there will be only one Poster Session, so please ignore the numbers appearing after each Poster Session. Also, those presenting posters will put them up on the morning of Friday June 4 and leave them up until the poster session ends that evening.**

**Session type: poster**

**Date: June 4, 2010**

**Time: 17:00 - 19:30**

**Association study of the COMT and PRODH genes in Chinese patients with schizophrenia**

**By Fanzhi Kong; Mental Health Center ,Medical College of Shantou University, Shantou, China**

**Xiaohong Hong; Mental Health Center ,Medical College of Shantou University, Shantou, China**

**Raymond C. K. Chan; Neuropsychology and Applied Cognitive Neuroscience, Institute of Psychology, Chinese Academy of Sciences, Beijing, China; Key Laboratory of Mental Health, Institute of Psychology, Chinese Academy of Sciences, Beijing, China**

**Xihang Zhang; Mental Health Center ,Medical College of Shantou University, Shantou, China**

**Hanhui Zhou; Mental Health Center ,Medical College of Shantou University, Shantou, China**

**Cairu Wu; Mental Health Center ,Medical College of Shantou University, Shantou, China**

**Wenjiao Xie; Mental Health Center ,Medical College of Shantou University, Shantou, China**

**Zhizhen Peng; Mental Health Center ,Medical College of Shantou University, Shantou, China**

**Lu Cheng; State Key Laboratory of Bioelectronics, Southeast University, Nanjing, China; Key Laboratory of Child Development and Learning Science, Ministry of Education, Southeast University, Nanjing, China**

**Zuhong Lu; State Key Laboratory of Bioelectronics, Southeast University, Nanjing, China; Key Laboratory of Child Development and Learning Science, Ministry of Education, Southeast University, Nanjing, China**

**Genetic influences on alexithymia and their relationship with depressive symptoms**

**By Angelo Picardi; Mental Health Unit, Istituto Superiore di Sanità, Rome, Italy**

**Corrado Fagnani; Genetic Epidemiology Unit, Istituto Superiore di Sanità, Rome, Italy**

**Antonella Gigantesco; Mental Health Unit, Istituto Superiore di Sanità, Rome, Italy**

**Virgilia Toccaceli; Genetic Epidemiology Unit, Istituto Superiore di Sanità, Rome, Italy**

**Ilaria Lega; Mental Health Unit, Istituto Superiore di Sanità, Rome, Italy**

**Maria A. Stazi; Genetic Epidemiology Unit, Istituto Superiore di Sanità, Rome, Italy**

**Investigation of shared genetic effects for psychotic and obsessive symptoms in young adult twins**

**By Corrado Fagnani; Genetic Epidemiology Unit, Istituto Superiore di Sanità, Rome, Italy**

**Marcella Bellani; Department of Medicine and Public Health, Section of Psychiatry and Clinical Psychology, University of Verona, Verona, Italy - Verona-Udine Brain Imaging and Neuropsychology Program, Inter-University Centre for Behavioural Neurosciences (ICBN), University of Verona - Department of Pathology and Experimental and Clinical Medicine, Section of Psychiatry, University of Udine, Italy**

**Michele Tansella; Department of Medicine and Public Health, Section of Psychiatry and Clinical Psychology, University of Verona, Verona, Italy - Verona-Udine Brain Imaging and Neuropsychology Program, Inter-University Centre for Behavioural Neurosciences (ICBN), University of Verona - Department of Pathology and Experimental and Clinical Medicine, Section of Psychiatry, University of Udine, Italy**

**Matteo Balestrieri; Verona-Udine Brain Imaging and Neuropsychology Program, Inter-University Centre for Behavioural Neurosciences (ICBN), University of Verona - Department of Pathology and Experimental and Clinical Medicine, Section of Psychiatry, University of Udine, Italy**

**Virgilia Toccaceli; Genetic Epidemiology Unit, Istituto Superiore di Sanità, Rome, Italy**

**Valeria Patriarca; Genetic Epidemiology Unit, Istituto Superiore di Sanità, Rome, Italy**

**Maria A. Stazi; Genetic Epidemiology Unit, Istituto Superiore di Sanità, Rome, Italy**

**Paolo Brambilla; Verona-Udine Brain Imaging and Neuropsychology Program, Inter-University Centre for Behavioural Neurosciences (ICBN), University of Verona - Department of Pathology and Experimental and Clinical Medicine, Section of Psychiatry, University of Udine, Italy - Scientific Institute IRCCS "E. Medea", Udine, Italy**

**Etiology of Obsessions and Compulsions: A Behavioral-Genetic Analysis**

**By Jang, Kerry L; Department of Psychiatry, Department of Psychiatry University of British Columbia, Canada**

**Taylor, Steven; Department of Psychiatry, University of British Columbia, Canada  
Asmundson, Gordon J.G.; Department of Psychology, University of Regina, Canada**

**Phenotypic and Genetic Relations Between the HEXACO Dimensions and Trait Emotional Intelligence**

**By Livia Veselka; University of Western Ontario  
K. V. Petrides; University College London  
Julie A. Schermer; University of Western Ontario  
L. F. Cherkas; King's College London  
T. D. Spector; King's College London  
Philip A. Vernon; University of Western Ontario**

---

**Session 18: Poster Session 2**

**Session type: poster**

**Date: June 4, 2010**

**Time: 17:00 - 19:30**

**Shared Genetic Contributions to Anxiety Disorders and Pathological Gambling in a Male Population**

**By Hong Xian; Research Service 151-JC, St. Louis VAMC, St. Louis, MO and Department of Medicine, Washington University School of Medicine, St. Louis, MO, USA.**

**Justine L. Giddens; Child Study Center, Yale University School of Medicine, New Haven, CT, USA.**

**Jeff Scherrer; Research Service 151-JC, St. Louis VAMC, St. Louis, MO and Department of Psychiatry, Washington University School of Medicine, St. Louis, MO, USA.**

**Seth Eisen; Medical and Research Services, Department of Veterans Affairs Medical Center and Department of Internal Medicine, Washington University School of Medicine, St. Louis, MO, USA.**

**Marc N. Potenza; Child Study Center, Yale University School of Medicine, New Haven, CT and Department of Psychiatry, Yale University School of Medicine and Connecticut Mental Health Center, New Haven, CT and Veterans Affairs Healthcare Systems Connecticut, West Haven, CT, USA.**

**A longitudinal twin study on the environmental association between behavior problems and parenting**

**By Shinji Yamagata; Keio University  
Yusuke Takahashi; Keio University  
Koken Ozaki; The Institute of Statistical Mathematics  
Keiko Fujisawa; Keio University  
Koichi Nonaka; Wako University**



**Juko Ando; Keio University**

**An Examination of the Etiological Overlap between Parent-Child Conflict and Observer-Rated Antisocial Behavior**

**By Ashlea M. Klahr; Michigan State University  
William G. Iacono; University of Minnesota  
Matt McGue; University of Minnesota  
S. Alexandra Burt; Michigan State University**

**Psychiatric vulnerability in nonheterosexuals**

**By Zietsch, B. P., Verweij, K. J. H., Bailey, J. M., Wright, M. J., and Martin, N. G.**

**A Behavioral Genetic Analysis of Externalizing Psychopathology and Adult Attachment**

**By Mikhila N. Humbad; Michigan State University  
Kelly L. Klump; Michigan State University  
Alytia A. Levendosky; Michigan State University  
S. Alexandra Burt; Michigan State University**

---

### **Session 19: Poster Session 3**

**Session type: poster**

**Date: June 4, 2010**

**Time: 17:00 - 19:30**

**The importance of shared environmental influences on conduct problems in South Korean twin children**

**By Young Won Shin, Min Jin Jin, Sejun Koo, Ok-jung Jo, Bora Kim, Ki-pyoung Kim, Jin-ah Yoo, Neul Ha; Chung-Ang University, Republic of Korea  
Yoon-Mi Hur; Mokpo National University, Republic of Korea**

**Pooled DNA Analysis Using Illumina Human 660w-quad BeadChip**

**By Hsin-Chou Yang; Institute of Statistical Science, Academia Sinica  
Mei-Chu Huang; Bioinformatics Program, Taiwan International Graduate Program, Academia Sinica  
Mei-Jyh Kang; Institute of Biomedical Sciences, Academia Sinica  
Wen-Harn Pan; Institute of Biomedical Sciences, Academia Sinica**

**Genetic analysis of anxiety-related behavior and gene expression in BXD strains**

**By Lu Lu; Jiangsu key laboratory of neuroregeneration, Nantong University, Nantong 226001; Department of Anatomy and Neurobiology, University of Tennessee Health Science Center, Memphis, TN 38163**

**Xusheng Wang; Department of Anatomy and Neurobiology, University of Tennessee Health Science Center, Memphis, TN 38163**

**Robert W Williams; Department of Anatomy and Neurobiology, University of Tennessee Health Science Center, Memphis, TN 38163**

**Melloni Cook; Department of Psychology, University of Memphis, Memphis, TN 38152**

### **Pathways from a Worried Mother to a Fearful Child: The Roles of Maternal Anxiety and Responsive Environment**

**By Misaki N. Natsuaki; University of California, Riverside**

**Leslie D. Leve; Oregon Social Learning Center**

**Jenae M. Neiderhiser; Penn State University**

**Daniel S. Shaw; University of Pittsburgh**

**Laura V. Scaramella; University of New Orleans**

**Conger, Rand; University of California, Davis**

**John B. Reid; Oregon Social Learning Center**

**David Reiss; Yale Child Study Center**

### **Do stressful life events moderate genetic and environmental covariance on personality and psychiatric symptoms?: Bivariate gene-environment interaction approach**

**By Yusuke Takahashi; Japan Society for the Promotion of Science, Keio University**

**Shinji Yamagata; Japan Society for the Promotion of Science, Keio University**

**Koken Ozaki; The Institute of Statistical Mathematics**

**Chizuru Shikishima; Keio University**

**Koichi Nonaka; Wako University**

**Juko Ando; Keio University**

---

## **Session 20: Poster Session 4**

**Session type: poster**

**Date: June 4, 2010**

**Time: 17:00 - 19:30**

### **Sex differences in genetic and environmental influences on prosocial behavior in South Korean twin children**

**By Bora Kim, Ki Pyoung Kim, Jin-ah Yoo , Young Won Shin, Min Jin Jin, Sejun Koo, Ok-jung Jo, Neul Ha; Chung-Ang University, Republic of Korea**

**Yoon-Mi Hur; Mokpo National University , Republic of Korea**

**Genetic Data Sharing Practices within a Research Network: Lessons from the RTRN Jackson Heart Study Vanguard Center (JHSVC) Managed through the Data and Technology Coordinating Center (DTCC)**

**By Jae Eun Lee, RTRN DTCC, Jackson State University; Daniel Sarpong, Jackson Heart Study, Jackson State University; Jung Hye Sung, Department of Biostatistics and Epidemiology, Jackson State University; Sarah Buxbaum, Jackson Heart Study, Jackson State University; Keyur Talsania, RTRN DTCC, Jackson State University; James Perkins, RTRN DTCC, Jackson State University.**

**Childhood sweet food consumption and problem adolescent alcohol use: Is there a genetic relationship?**

**By Brett C. Haberstick; Institute for Behavioral Genetics, University of Colorado, Boulder, USA**

**Sally-Ann Rhea; Institute for Behavioral Genetics, University of Colorado, Boulder, USA  
Tanya Button; Institute for Behavioral Genetics, University of Colorado, Boulder, USA  
Robin Corley; Institute for Behavioral Genetics, University of Colorado, Boulder, USA**

**Sensory Over-Responsivity: Temperament Contributions and Prenatal Implications**

**By Megan M. Keuler; University of Wisconsin-Madison  
Nicole L. Schmidt; University of Wisconsin-Madison  
Carol A. Van Hulle; University of Wisconsin-Madison  
Kathryn Lemery-Chalfant; Arizona State University  
H. Hill Goldsmith; University of Wisconsin-Madison**

**Beta-Amyloid Peptide Mutations Alter Circadian Locomotor Behavior in a Transgenic Drosophila Model of Alzheimer's Disease**

**By Bernard Possidente; Skidmore College  
Tiffanie Benway; Skidmore College  
Molly Kidder; Skidmore College  
Amy Veinoglu; Skidmore College  
Alex Wennberg; Skidmore College  
Damian Crowther; Cambridge University**

---

**Session 21: Poster Session 5**

**Session type: poster**

**Date: June 4, 2010**

**Time: 17:00 - 19:30**

**Investigating the etiology of the relation between low birth weight and childhood disruptive disorders**

**By Courtney Alexandra Ficks; Emory University  
Benjamin Lahey; University of Chicago  
Irwin D. Waldman; Emory University**

**Self-Rated Health, Body Mass Index and Health Condition: Genetic and Environmental Factors**

**By Ordonana, JR.; Murcia Twin Registry. Area of Psychobiology. University of Murcia (Spain)  
Burt, SA; Department of Psychology. Michigan State University (USA)  
Sánchez-Romera, JF; MTR. Area of Psychobiology. University of Murcia (Spain)  
Colodro, L; MTR. Area of Psychobiology. University of Murcia (Spain)  
Tornero, MJ; MTR. Area of Psychobiology. University of Murcia (Spain)  
Rebollo-Mesa, I; MRC Centre for Transplantation, King's College London (UK)**

**Personality as common and broadband-specific features for internalizing and externalizing disorders**

**By Laura K. Hink; Department of Psychology and Neuroscience, University of Colorado at Boulder. Institute for Behavioral Genetics, University of Colorado at Boulder  
Soo H. Rhee; Department of Psychology and Neuroscience, University of Colorado at Boulder. Institute for Behavioral Genetics, University of Colorado at Boulder  
Jay Schulz-Heik; Department of Psychology and Neuroscience, University of Colorado at Boulder. Institute for Behavioral Genetics, University of Colorado at Boulder  
Robin P. Corley; Institute for Behavioral Genetics, University of Colorado at Boulder  
Vicky Cosgrove; Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine  
Susan E. Young; Institute for Behavioral Genetics, University of Colorado at Boulder  
John K. Hewitt; Institute for Behavioral Genetics, University of Colorado at Boulder**

**Genetic and environmental covariance between conduct disorder, ADHD, and verbal ability**

**By Smith, A.K.; Department of Psychology and Neuroscience, Institute for Behavioral Genetics, University of Colorado, Boulder, CO  
Stasi, S.M.; Department of Psychology and Neuroscience, University of Colorado, Boulder, CO  
Rhee, S.H.; Department of Psychology and Neuroscience, Institute for Behavioral Genetics, University of Colorado, Boulder, CO  
Corley, R.; Institute for Behavioral Genetics, University of Colorado, Boulder, CO  
Young, S.; Institute for Behavioral Genetics, University of Colorado, Boulder, CO  
Hewitt, J.K.; Department of Psychology and Neuroscience, Institute for Behavioral Genetics, University of Colorado, Boulder, CO**

**Expression of klotho in mouse cerebral cortex and cerebellum**

**By Chi-Hsiun Lee; Department of Biotechnology, Hung Kuang University, Taichung, Taiwan, R.O.C.**

**Jing-Yuan Shih; Department of Biotechnology, Hung Kuang University, Taichung, Taiwan, R.O.C.**

**Hsin-Cheng Lai; Department of Biotechnology, Hung Kuang University, Taichung, Taiwan, R.O.C.**

**Sue-Joan Chang; Department of Life Sciences, National Cheng Kung University, Tainan, Taiwan, R.O.C.**

**Wen-Jen Yu; Department of Biotechnology, Hung Kuang University, Taichung, Taiwan, R.O.C.**

---

## **Session 22: Poster Session 6**

**Session type: poster**

**Date: June 4, 2010**

**Time: 17:00 - 19:30**

### **Genetic Analyses of Parental Ratings of Competence and Behavioral/Emotional Problems in 7-10 years Old Russian Twins**

**By Elena Gindina; Psychological Institute of Russian Academy of Education, Moscow**

**Sergei Malykh; Psychological Institute of Russian Academy of Education, Moscow**

**Marina Lobaskova; Udmurt State University, Izhevsk**

**Valeria Sivakova; The Kirgizia-Russian Slavic University, Kyrgyzstan**

### **Changes and stability in the association between sibling relationships and depressive symptoms in adolescent twins from a genetically informative perspective.**

**By HyunJoo Shim; University of Virginia**

**Eric Turkheimer; University of Virginia**

**Robert E. Emery; University of Virginia**

### **Causes of individual differences in quality of life dimensions of the EQ-5D questionnaire**

**By Ordonana, JR; Murcia Twin Registry. Area of Psychobiology. University of Murcia (Spain)**

**Bartels, M; Department of Biological Psychology. VU University; & EMGO+ Institute, VU University Medical Center, Amsterdam (The Netherlands).**

**Rebollo-Mesa, I; MRC Centre for Transplantation, King's College London (UK)**

**Monteagudo, O; Murcia Health Council. Murcia (Spain)**

**Perea-Riquelme, F; Murcia Health Council. Murcia (Spain)**

### **A longitudinal analysis of inhibitory control and behavior problems from 24 to 36 months of age**

**By Gagne, Jeffrey R.; Department of Psychology, University of Wisconsin-Madison  
Saudino, Kimberly J.; Department of Psychology, Boston University**

**Replication of association between body mass index and a genetic risk sum score comprised of common polygenic variation**

**By Roseann E. Peterson; Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University**

**Hermine H. Maes; Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University**

**Danielle M. Dick; Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University, Collaborative Study on the Genetics of Alcoholism**

**John R. Kramer; University of Iowa, Collaborative Study on the Genetics of Alcoholism**

**Victor M. Hesselbrock; University of Connecticut, Collaborative Study on the Genetics of Alcoholism**

**Bradley T. Webb; Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University**

---

## **Session 23: Poster Session 7**

**Session type: poster**

**Date: June 4, 2010**

**Time: 17:00 - 19:30**

**GE interaction analysis on the univariate ACDE model**

**By Koken Ozaki; Statistical Mathematics**

**Keiko K. Fujisawa; Keio University**

**Shinji Yamagata; Keio University**

**Yusuke Takahashi; Japan Society for the Promotion of Science, Keio University**

**Shoko Sasaki; Japan Society for the Promotion of Science, Tokyo University**

**Chizuru Shikishima; Keio University**

**Juko Ando; Keio University**

**The Role of Genotype and Positive Parenting during Toddlerhood in the Development of Externalizing Behavior**

**By Debra L. Boeldt; University of Colorado at Boulder**

**Brett C. Haberstick; University of Colorado at Boulder**

**Soo H. Rhee; University of Colorado at Boulder**

**Susan Young; University of Colorado at Boulder**

**Robin Corley; University of Colorado at Boulder**

**John K. Hewitt; University of Colorado at Boulder**

**Lisabeth F. DiLalla; Southern Illinois University School of Medicine**

**Paula Y. Mullineaux; Hamline University**

**Genetic and environmental contributions to individual differences in perceptions of family environment and twin relationships in Russian adolescent twins**

**By Phlipp I. Barsky; Psychological Institute of Russian Academy of Education**

**Elena D. Gindina; Psychological Institute of Russian Academy of Education**

**Marina M. Lobaskova; Udmurtia State University**

**Sergey B. Malykh; Psychological Institute of Russian Academy of Education**

**TPH2 variation associated with diffusion tensor imaging measurements of the dorsal raphe nucleus**

**By John E. McGeary; Providence VAMC/Brown Univ. Andrew Cohen; Brown University**

**Valerie S. Knopik; Rhode Island Hospital**

**Christopher G. Beevers; Univ. of Texas, Austin**

**David Schnyer; Univ. of Texas, Austin**

**Francisco Gonzalez-Lima; Univ. of Texas, Austin**

**Early environmental influences contribute to covariation between internalizing symptoms and alcohol intoxication frequency across adolescence**

**By Alexis C. Edwards; Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University, Richmond, VA, US**

**Paul Lichtenstein; Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden**

**Kenneth S. Kendler; Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University, Richmond, VA, US**

---

## **Session 24: Poster Session 8**

**Session type: poster**

**Date: June 4, 2010**

**Time: 17:00 - 19:30**

**Cognitive function in the oldest old is associated with genetic variations in the CLU and PICALM genes**

**By Jonas Mengel-From; University of Southern Denmark,**

**Lene Christensen; University of Southern Denmark,**

**Matthew K McGue; University of Minnesota,**

**Kaare Christensen; University of Southern Denmark**

**Are Brain Regions Involved in Reading and Cognition under Genetic Influence: A Volumetric Study in Adolescent Twins**

**By Vidal , C.; University of Southern California, Niv, S.; University of Southern California, M., Zheng; University of Southern California, Moussa, M.; University of Southern California, Raine, A.; University of Pennsylvania, Baker, L.A.; University of Southern California, & Damasio, H; University of Southern California.**

**Using genetic information in risk prediction for alcohol dependence**

**By Yan, Jia; Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University, Richmond, VA  
Aliev, Fazil; Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University, Richmond, VA  
Williamson, Vernell S.; Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University, Richmond, VA  
Webb, Bradley T.; Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University, Richmond, VA  
Goate, Alison M.; Department of Psychiatry, Washington University School of Medicine, St. Louis, MO  
Kramer, John.; Department of Psychiatry, University of Iowa College of Medicine, Iowa City, IA  
Nurnberger Jr, John I.; Department of Psychiatry, Indiana University School of Medicine, Indianapolis, IN  
Schuckit, Marc A.; Department of Psychiatry, University of California-San Diego, La Jolla, CA  
Tischfield, Jay A.; Department of Genetics, Rutgers University, Piscataway, NJ  
Dick, Danielle M.; Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University, Richmond, VA**

**Fingerprint pattern and multiple intelligence: a pilot analytical study**

**By Nanakorn, Somsong; Department of Biology, Faculty of Science, Khon Kaen University, KhonKaen 40002, Thailand  
Honak, Niyada; Department of Biology, Faculty of Science, Khon Kaen University, KhonKaen 40002, Thailand  
Ungpansattawong, Supanee; Department of Statistics, Faculty of Science, Khon Kaen University, KhonKaen 40002, Thailand  
Chaisiwamongkol, Wichuda; Department of Statistics, Faculty of Science, Khon Kaen University, KhonKaen 40002, Thailand  
Maneesriwongul, Amnuay; Department of Statistics, Faculty of Science, Khon Kaen University, KhonKaen 40002, Thailand  
Suwanwerakamtorn, Rassame; Department of Computer Science, Faculty of Science, Khon Kaen University, KhonKaen 40002, Thailand  
Raksasataya, Sarintip; Faculty of Education, Khon Kaen University, KhonKaen 40002, Thailand  
Chusilp, Kusuma; Department of Pediatrics, Faculty of Medicine, Khon Kaen University,**



**KhonKaen 40002, Thailand**

**Changes of genetic and environmental variances in hyperactivity from childhood to early adolescence in South Korean twins**

**By Yoon-Mi Hur; Mokpo National University, Korea  
Sejun Koo; Chung-Ang University, Korea  
Young-won Shin; Chung-Ang University, Korea  
Min-jin Jin; Chung-Ang University, Korea  
Ok-jung Jo; Chung-Ang University, Korea  
Bora Kim; Chung-Ang University, Korea  
Ki-pyoung Kim; Chung-Ang University, Korea  
Jin-ah Yoo; Chung-Ang University, Korea  
Neul Ha; Chung-Ang University, Korea**

---

## **Session 25: Paper Session: Psychopathology & Adjustment**

**Session Chair: [Gonneke Willemsen](#), Vrije Universiteit Amsterdam**

**Session type: contributed**

**Date: June 5, 2010**

**Time: 10:15 - 11:45**

**Neurological soft signs as endophenotype for schizophrenia: A link between genetics and clinical manifestations**

**By Raymond C. K. Chan; Neuropsychology and Applied Cognitive Neuroscience Laboratory, Institute of Psychology, Chinese Academy of Sciences, Beijing, China; Key Laboratory of Mental Health, Institute of Psychology, Chinese Academy of Sciences, Beijing, China  
Irving I. Gottesman; Department of Psychiatry, University of Minnesota, Twin City, United States  
Pak Sham; Department of Psychiatry, the University of Hong Kong, Hong Kong Special Administrative Region, China**

**Gene-environment interactions in response to trauma: HTR1a, parent posttraumatic stress symptoms, and trajectories of posttraumatic stress symptoms in pediatric injury patients**

**By Nicole Nugent, PhD; Alpert Brown University  
Ananda Amstadter, PhD; Medical University of South Carolina  
Bao-Zhu Yang, PhD; Yale  
Valerie Knopik, PhD; Brown  
Glenn Saxe, MD; Boston Children's Hospital  
Jordan Smoller, MD, ScD; Harvard  
Karestan Koenen, PhD; Harvard**

**Shared genetic factors influencing migraine and anxious depression**

**By Lannie Ligthart; Dept. of Biological Psychology, VU University, Amsterdam, the Netherlands**

**Dale R. Nyholt; Queensland Institute of Medical Research, Brisbane, Australia,**

**Brenda W.J.H. Penninx; Dept. of Psychiatry and EMGO Institute for Health and Care Research, VU University Medical Center, Amsterdam, the Netherlands**

**Dorret I Boomsma; Dept. of Biological Psychology, VU University, Amsterdam, the Netherlands**

**The heritability of perceived stress: findings from the netherlands Twin Register.**

**By Gonneke Willemsen; VU University Amsterdam**

**Dorret I. Boomsma; VU University Amsterdam**

**Jenny van Beek; VU University Amsterdam**

**Lot Geels; VU University Amsterdam**

**Meike Bartels; VU University Amsterdam**

**Eco J.C. de Geus; VU University Amsterdam**

**Genetic influences on optimism and its relationship to health**

**By Miriam Anna Mosing; Genetic Epidemiology Unit, Queensland Institute of Medical Research, & School of Psychology, University of Queensland, Australia**

**Margaret J. Wright; Genetic Epidemiology Unit, Queensland Institute of Medical Research, & School of Psychology, University of Queensland, Australia**

**Nancy L. Pedersen; Karolinska Institute, Department of Medical Epidemiology & Biostatistics, Sweden**

**Nicholas G. Martin; Genetic Epidemiology Unit, Queensland Institute of Medical Research, & School of Psychology, University of Queensland, Australia**

---

**Session 26: Business Meeting**

**Session type: contributed**

**Date: June 5, 2010**

**Time: 12:15 - 13:15**

---

**Session 27: Paper Session: Temperament, Behavior Problems, IQ, & Adjustment in Children & Adolescents**

**Session Chair: [Jeffrey Gagne](#), University of Wisconsin**

**Session type: contributed**

**Date: June 5, 2010**

**Time: 13:15 - 14:45**

**The Genetics of Emotional Ontogeny Project: Mother ratings of temperament at 6, 12 and 36 months**

**By Gagne, Jeffrey R.; Department of Psychology, University of Wisconsin, Madison, WI  
Williams, W. Craig; Department of Psychology, University of Wisconsin, Madison, WI  
Volbrecht, Michele M.; Department of Educational Psychology, University of Wisconsin, Madison, WI  
Goldsmith, H. Hill; Department of Psychology, University of Wisconsin, Madison, WI**

**Stability and Change of Sleep Problems in Toddlerhood**

**By Manjie Wang; Boston University  
Kimberly J. Saudino; Boston University**

**Are there shared genetic or environmental influences underlying externalizing behaviours, cigarette smoking and illicit drug use?**

**By Tellervo Korhonen; National Institute of Health and Welfare and University of Helsinki, Finland**

**Antti Latvala, National Institute of Health and Welfare and University of Helsinki, Finland  
Danielle M. Dick, Virginia Commonwealth University, USA  
Richard R. Rose, Indiana University, USA and University of Helsinki, Finland  
Lea Pulkkinen, University of Jyväskylä, Finland  
Jaakko Kaprio, University of Helsinki, National Institute of Health and Welfare, Finland  
Anja C. Huizink, University of Amsterdam and Radboud University Nijmegen, the Netherlands**

**A Study of Genetic Influence on SPHERE (Somatic and Psychological Health Report) Measures Collected in Adolescents and Young Adults**

**By Narelle K Hansell; Queensland Institute of Medical Research  
Ian B Hickie; University of New South Wales  
Tracey A Davenport; University of New South Wales  
Dusan Hadzi-Pavlovic; University of New South Wales  
Naomi R Wray; Queensland Institute of Medical Research  
Nicholas G Martin; Queensland Institute of Medical Research  
Margaret J Wright; Queensland Institute of Medical Research**

This program was last updated on 2010-05-17 17:15:35 EDT