

## CURRICULUM VITAE



**Name:** Dorret I. Boomsma (female)  
**Date of birth:** November 18, 1957  
**Place of birth:** Huizen, The Netherlands  
**Marital status:** Married, 1 daughter  
**Title:** Professor  
**Present Position:** Head of Department; Department of Biological Psychology, VU

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### Education:

<i>Institution</i>	<i>Degree</i>	<i>Year</i>	<i>Field of study</i>
W. Zwijgerlyceum Bussum	Gymnasium $\beta$	1976	Greek, Dutch, English, Mathematics, Physics Chemistry, History
Vrije Univ, A'dam	BA (cum laude)	1979	Psychology
Vrije Univ, A'dam	-	-	Philosophy
Vrije Univ, A'dam	MA (cum laude)	1983	Psychophysiology
Univ Colorado, USA	MA	1983	Biological Psychology/Behavior Genetics
Vrije Universiteit	PhD (cum laude)	1992	Quantitative Genetics

**Thesis:** Quantitative Genetic Analysis of Cardiovascular Risk Factors in Twins and their Parents

**Promotor:** Prof J.F. Orlebeke

### Work:

1984-1985 Statistician (Dept of Dental Surgery, VU, Amsterdam)  
1985-1990 Research Assistant, Genetics of Cardiovascular Risk Factors (VU)  
1990-1994 UD (Assistant professor, Dept of Psychonomics, VU)  
1994-1997 UHD (Associate professor, Dept of Psychonomics, VU)  
1998-present Full professor / Head dept Biological Psychology (VU) & Netherlands Twin Register

### Awards and honors:

1985 Thompson Award (awarded by Behavior Genetics Association)  
1996 Junior-Heymans Award (awarded by Dutch Psychological Association)  
2001 Member KNAW (Royal Netherlands Academy of Sciences)

- 2002 Spinoza Prize (awarded by NOW: Netherlands Scientific Organization)  
 2002 James Shield Award (Intern. Twin Society / Behavior Genetics Association)

**Publications:** (see [www.tweelingenregister.org](http://www.tweelingenregister.org) / [www.darenet.nl/nl/page/language.view/keur.page](http://www.darenet.nl/nl/page/language.view/keur.page) )

Papers: > 380;

Book chapters: > 30;

Other publications > 30;

Published abstracts: > 225

Book editor: Tweelingonderzoek. Wat meerlingen vertellen over de mens (in Dutch) 2008

**Memberships:**

Royal Netherlands Academy of Science (Koninklijke Nederlandse Akademie Wetenschappen)

Koninklijke Hollandsche Maatschappij der Wetenschappen

Behavior Genetics Association

International Society for Twin Studies

American Society Human Genetics

International Genetic Epidemiological Society

**Editor:**

1997-present Associate Editor *Behavior Genetics*

1999-present Associate Editor *Twin Research and Human Genetics*

Editor Special issues *Behav Genet: Genetic Analysis of Twin and Family data* (1989); *Genetics of Brain Function and Cognition* (2001); *Human Linkage Studies of Behavior* (2006)

Editor Special issue *Twin Res: World-wide Twin Registries* (2002)

**Other activities:**

1988 Established Netherlands Twin Register

1988-1991 Executive Committee Behavior Genetics Association

1987-2008 Faculty yearly International Workshop Twin Methodology (Europe/USA)

1992-1999 Head Twin Research Methodology Group International Twin Society

1993-1996 Head Education program EPOS Graduate school

1994 Member working group Brain Research European Community (Brussels)

1996 Member NWO-MW committee Gene-Environment Interaction

1997 Member NWO-MW committee Diet, Genetics and Chronic Disease

1999-2000 Board member NWO-MW Health Sciences (Gezondheidswetenschappen)

1999 Member NIH committee Genetics & Cognitive Neuroscience (Washington)

2000 Member NWO Committee Cognition

2000-present Exam committee Neuroscience MA program

2000-present Member ISTS board (International Society Twin Studies)

2002-2007 Steering committee GenomEUtwin

2003-2004 Board member CMSB (NWO Centre Medical and Systems Biology)

2004-present Member Research Council CNCR (Centre Neurogenomics and Cognition Research)

2005-present Member committee Cognitive Sciences (Royal Academy of Science)

2006-present Bestuurslid Avond van Wetenschap & Maatschappij

2007 President-elect Behavior Genetics Association (BGA)

**Research interests:** analysis of individual differences in normal and abnormal behavior, health, and cognition. I study the genetic and biological basis of individual differences using approaches from

genetic epidemiology, psychophysiology and molecular genetics. My primary training was in psychophysiology in Amsterdam and I did an MA degree in behavior genetics in Boulder, CO. When I started my PhD research on cardiovascular risk factors, I established the Netherlands Twin Register (NTR: [www.tweelingenregister.org](http://www.tweelingenregister.org)). The NTR collects data from twin-families (in twins, sibs, parents, spouses and offspring). Epidemiological data are collected by longitudinal surveys. Sub-samples participate in research projects including MRI, fMRI, EEG/ERP studies of brain volume and function; cognition and memory; childhood and adult psychopathology and cardiovascular risk. In 2004 we started a large biobank project in the adult participants. A longstanding interest is the genetics of twinning itself. Several research projects are carried out as part of large national and international collaborations.

## RECENT PUBLICATIONS

Althoff RR, Rettew DC, Faraone SV, **Boomsma DI**, Hudziak JJ. Latent class analysis shows strong heritability of the CBCL-Juvenile Bipolar phenotype. *Biological Psychiatry*, 60, 903-911, 2006

Althoff RR, Copeland WE, Stanger C, Derks EM, Todd RD, Neuman RJ, Van Beijsterveldt CEM, **Boomsma DI**, Hudziak JJ. The latent class structure of ADHD is stable across informants, *Twin Research and Human Genetics*, 9, 507-522, 2006

Beem AL, Geus EJC de, Hottenga JJ, Sullivan PF, Willemsen G, Slagboom PE, **Boomsma DI**. Genetic association analyses of the 124-bp allele of marker D2S2944 with anxiety, depression, neuroticism and Major Depression, *Behav Genet*, 36, 127-136, 2006

Beem AL, **Boomsma DI**. Implementation of a combined association-linkage model for quantitative traits in mixed model procedures of statistical packages. *Twin Research and Human Genetics*, 9, 325-333, 2006

Beijsterveldt CEM van, Hudziak JJ, **Boomsma DI**. Genetic and developmental influences on cross gender behaviors. A study of Dutch twins at ages 7 and 10. *Archives of Sexual behavior*, 35, 647-658, 2006

Berg SM Van den, Willemsen G, de Geus ECG, **Boomsma DI**. The genetic background of persistence of attention problems in young adulthood, *Am J Med Genet B Neuropsychiatr Genet*. 141, 55-60, 2006

Berg SM Van den, Setiawan A, Bartels M, Polderman TJC, Van der Vaart AW, **Boomsma DI**. Individual differences in puberty onset in girls: Bayesian estimation of heritabilities and genetic correlations. *Behavior Genetics*, 36, 261-270, 2006

**Boomsma DI**, de Geus EJC, Vink JM, Stubbe JH, Distel MA, Hottenga JJ, Posthuma D, van Beijsterveldt CEM, Hudziak JJ, Bartels M, Willemsen G. Netherlands Twin Register: from twins to twin families. *Twin Res Human Genetics*, 9, 849-857, 2006

**Boomsma DI**, Cacioppo JT, Slagboom PE, Posthuma D. Genetic linkage and association analysis for loneliness in Dutch twin and sibling pairs points to a region on chromosome 12q23-24. *Behavior Genetics*, 36, 137-146, 2006

**Boomsma DI**, Rebollo I, Derks E, Althoff RR, Hudziak JJ, Longitudinal stability of the CBCL-Juvenile Bipolar Disorder phenotype: a study in Dutch twins, *Biological Psychiatry*, 60, 912-920, 2006

Brouwer SI, Beijsterveldt CEM van, Bartels M, Hudziak JJ, **Boomsma DI**. The influence of sex, zygosity and birth cohort on motor development in young twins. *Twin Research and Human Genetics*, 9, 424-430, 2006

Derks EM, Hudziak JJ, Dolan CV, Ferdinand RF, **Boomsma DI**. The relations between DISC-IV DSM diagnoses of ADHD and multi-informant CBCL-AP syndrome scores. *Comprehensive Psychiatry*, 47, 116-122, 2006

Derks EM, Hudziak JJ, Beijsterveldt CEM, Dolan CV, **Boomsma DI**. Genetic analyses of maternal and teacher ratings on Attention Problems in seven-year-old Dutch twins. *Behavior Genetics*, 36, 833-844, 2006

- Derks EM, Dolan CV, **Boomsma DI**. A test of the Equal Environment Assumption (EEA) in multivariate twin studies. *Twin Res Human Genetics*, 9, 403-411, 2006
- Estourgie-van Burk GF, Bartels M, Beijsterveldt C.E.M. van, Delemarre-van de Waal HA, **Boomsma DI**. Body size in five-year-old twins: Heritability and comparison to singleton standards. *Twin Res and Hum Genet*, 9, 646-655, 2006
- Goedhart AD, Kupper N, Willemsen G, **Boomsma DI**, de Geus EJC de. Temporal stability of ambulatory stroke volume and cardiac output measured by impedance cardiography. *Biol Psychol*. 72, 110-7, 2006
- Gosso MF, van Belzen M, de Geus EJ, Polderman JC, Heutink P, **Boomsma DI**, Posthuma D. Association between the CHRM2 gene and intelligence in a sample of 304 Dutch families. *Genes Brain Behav*. 5, 577-584, 2006
- Gosso MF, de Geus EJC, van Belzen MJ, Polderman TJC, Heutink P, **Boomsma DI**, Posthuma D. The *SNAP-25* gene is associated with cognitive ability: Evidence from a family based study in two independent Dutch cohorts. *Molecular Psychiatry*, 11, 878-886, 2006
- Hoekstra RA, Bartels M, **Boomsma DI**. Heritability of testosterone levels in 12-year old twins and its relation to pubertal development. *Twin Res Hum Genet*, 9, 558-65, 2006
- Hottenga JJ, Withfield JB, Geus EJC de, **Boomsma DI**, Martin NG. Heritability and stability of resting blood pressure in Australian twins. *Twin Res Hum Genet*, 9, 205-209, 2006
- Hudziak JJ, Althoff, RR, Stanger C, Van Beijsterveldt CEM, Nelson EC, Hanna GL, **Boomsma DI**, Todd RD. The obsessive compulsive scale of the Child Behavior Checklist predicts obsessive-compulsive disorder: A receiver operating characteristic curve analysis. *J Child Psychology and Psychiatry*, 2006, 160-166
- Hulshoff Pol HE, Schnack HG, Posthuma D, Mandl RCW, Baaré WF, van Oel C, van Haren NE, Collins DL, Evans AC, Amunts K, Bürgel U, Zilles K, de Geus EJC, **Boomsma DI**, Kahn RS. Genetic contributions to human brain morphology and intelligence. *Journal of Neuroscience*, 10235-10242, 2006
- Kupper NHM, Willemsen G, **Boomsma DI**, De Geus EJC, Heritability of indices for cardiac contractility in ambulatory recordings. *J Cardiovasc Electrophysiol*, 17, 877-883, 2006
- Lange M de, Geus EJC de, Kluit C, Meijer P, Doornen LJP van, **Boomsma DI**, Snieder H. Genetic influences on fibrinogen, tPA antigen and vWF in males and females. *Thrombosis and Haemostasis*, 95, 414-419, 2006
- Ligthart L, **Boomsma DI**, Nicholas NG, Stubbe JH, Nyholt DR. No evidence for migraine with aura and migraine without aura as separate entities in a Dutch population. *Twin Research and Human Genetics*, 9, 54-63, 2006
- Lynskey M, Vink JM, **Boomsma DI**, Early onset cannabis use and progression to other drug use in a sample of Dutch twins. *Behavior Genetics*, 36, 195-200, 2006
- Middeldorp CM, Cath DC, **Boomsma DI**, A twin-family study of the association between employment, burnout and anxious depression. *J Affective Disorders*, 2006, 90, 163-69
- Middeldorp CM, Wray NR, Martin NG, **Boomsma DI**. Sex differences in symptoms of depression in unrelated individuals and opposite sex twin and sibling pairs. *Twin Res and Hum Genet*, 9, 632-636, 2006
- Moor MHM de, Beem AL, Stubbe JH, **Boomsma DI**, De Geus EJC. Regular exercise, anxiety, depression and personality: a population-based study. *Preventive Medicine*, 42, 273-279, 2006
- Oates NA, van Vliet J, Duffy DL, Kroes HY, Martin NG, **Boomsma DI**, Campbell M, Coulthard MG, Whitelaw E, Chong S. Increased DNA methylation at the *AXIN1* gene in an MZ twin from a pair discordant for a caudal duplication anomaly. *Am J Hum Genet*, 79, 155-162, 2006

- Polderman JC, Posthuma D, De Sonnevle LMJ, Verhulst FC, **Boomsma DI**. Genetic analysis of teacher ratings of problem behavior in 5-year-old twins. *Twin Research and Human Genetics*, 9, 122-130, 2006
- Polderman TJ, Gosso MF, Posthuma D, Van Beijsterveldt TC, Heutink P, Verhulst FC, **Boomsma DI**. A longitudinal twin study on IQ, executive functioning, and attention problems during childhood and early adolescence. *Acta Neurol Belgica* 106(4), 191-207, 2006
- Polderman TJC, Stins JF, Posthuma D, Gosso MF, Verhulst FC, **Boomsma DI**. The phenotypic and genotypic relation between working memory speed and capacity. *Intelligence*, 34, 549-560, 2006
- Posthuma D, Visscher PM, Willemsen G, Zhu G, Martin NG, Slagboom PE, Geus EJC de, **Boomsma DI**. Replicated linkage for eye color on 15q using comparative ratings of sibling pairs. *Behavior Genetics*, 36, 12-17, 2006
- Posthuma D, Cherny SS, **Boomsma DI**. Introduction to the Special Issue: Human Linkage Studies for Behavioral Traits. *Behavior Genetics*, 36, 1-3, 2006
- Rebollo I, de Moor MHM, Dolan CV, **Boomsma DI**. Phenotypic factor analysis of family data: Correction of the bias due to dependency. *Twin Res Hum Genet*, 9, 367-76, 2006
- Rebollo I, **Boomsma DI**. Genetic and environmental influences on Type A Behavior Pattern: Evidence from twins and their parents in the NTR, *Psychosomatic Medicine*, 68, 437-442, 2006
- Rebollo I, **Boomsma DI**. Genetic analysis of anger: Genetic dominance or competitive sibling interaction. *Behavior Genetics*, 36, 216-228, 2006
- Rettew DC, Vink JM, Willemsen G, Doyle A, **Boomsma DI**, Hudziak JJ. Genetic and environmental contributions to the personality dimension of neuroticism in 3301 Dutch adolescent twins, *Twin Research and Human Genetics*, 9, 24-29, 2006
- Silventoinen K, Posthuma D, van Beijsterveldt T, Bartels M, **Boomsma DI**. Genetic contributions to the association between height and intelligence: evidence from Dutch twin data from childhood to middle age. *Genes Brain Behav.* 5, 585-595, 2006.
- Stoel RD, De Geus E, **Boomsma DI**. Genetic analysis of sensation seeking with an extended twin design. *Behavior Genetics*, 36, 229-237, 2006
- Stubbe JH, **Boomsma DI**, Cornes BK, Martin NG, Skyttthe A, Kyvik KO, Rose RJ, Kujala U, Kaprio J, Harris JR, Pedersen NL, Hunkin J, Spector TD, de Geus EJC. Genetic and environmental influences on exercise participation: A comparative study in twin samples from seven countries, *PLOS ONE*, 1, e22, 2006
- Vink JM, Posthuma D, Neale MC, Slagboom PE, **Boomsma DI**. Genome-wide linkage scan to identify loci for age at first cigarette in Dutch sibling pairs. *Behavior Genetics*, 36, 100-111, 2006
- Vink JM, Sadrzadeh S, Lambalk CB, **Boomsma DI**. Heritability of polycystic ovary syndrome (PCOS) in a Dutch twin-family study. *J Clinical Endocrinology Metabolism*, 91, 2100-2104, 2006
- Bakaysa SL, Mucci LA, Slagboom PE, **Boomsma DI**, McClearn GE, Johansson B, Pedersen NL. Telomere length predicts survival independent of genetic influences. *Ageing Cell*, 10, 769-774, 2007
- Bartels M, **Boomsma DI**, Hudziak JJ, Van Beijsterveldt CEM, van den Oord EJCG. Twins and the study of rater (dis)agreement. *Psychological Methods*, 12(4):451-66, 2007
- Bartels M, Hudziak JJ, Derks EM, van Beijsterveldt CEM, Stroet TM, Polderman TJC, **Boomsma DI**. Young – Netherlands Twin Register (Y-NTR); A longitudinal multiple informant study of problem behavior. *Twin Res Human Genetics*, 10(1), 3-11, 2007
- Bartels M, Cacioppo JT, Hudziak JJ, **Boomsma DI**. Genetic and environmental contributions to stability in loneliness throughout childhood. *Am J Med Genet B Neuropsychiatr Genet*, 2007, epub

Berg SM van den, Glas CAW, **Boomsma DI**. Variance decomposition using an IRT measurement model. *Behavior Genetics*, 37:559-566, 2007

Berg SM van den, **Boomsma DI**. The familial clustering of age at menarche in extended twin families. *Behavior Genetics*, 37(5):661-667, 2007

Beijsterveldt CE van, **Boomsma DI**. Genetics of parental-reported asthma, eczema, and rhinitis in 5-year-old Dutch twins. *Eur Respir J*, 29(3):516-21, 2007

**Boomsma DI**, Cacioppo JT, Muthen B, Asparouhov T, Clark S. Longitudinal genetic analysis for loneliness in Dutch twins. *Twin Res Hum Genet*, 10(2), 267-273, 2007

Derks EM, Dola CV, **Boomsma DI**. Statistical power to detect genetic and environmental influences in the presence of data missing at random. *Twin Res Hum Genet*, 10(1), 159-167, 2007

Derks EM, Dolan CV, Hudziak JJ, Neale MC, **Boomsma DI**. Assessment and etiology of attention deficit hyperactivity disorder and oppositional defiant disorder in boys and girls. *Behavior Genetics*, 37:604-616, 2007

Derks EM, Hudziak JJ, **Boomsma DI**. Problem behavior at school: why more boys than girls with ADHD receive treatment. A study in twins, *Twin Res Hum Genet*, 10: 765-770, 2007

Distel MA, Ligthart L, Willemsen G, Nyholt DR, Trull TJ, **Boomsma DI**. Personality, health and lifestyle in a questionnaire family study: A comparison between highly cooperative and less cooperative families. *Twin Res Hum Genet*, 10(2), 348-353, 2007

Distel MA, Trull TJ, Derom CA, Thiery EW, Grimmer MA, Martin NG, Willemsen G, **Boomsma DI**. Heritability of borderline personality disorder features is similar across three countries. *Psychological Medicine*, 2007, epub

Geus EJC de, Van 't Ent D, Wolfensberger SPA, Heutink P, Hoogendijk WJG, **Boomsma DI**, Veltman DJ. Intrapair differences in hippocampal volume in monozygotic twins discordant for the risk for anxiety and depression. *Biol Psychiatry*, 61, 1062-71, 2007

Geus EJC de, Kupper, N, **Boomsma DI**, Snieder H. Bivariate genetic modeling of cardiovascular stress reactivity: Does stress uncover genetic variance? *Psychosomatic Medicine*, 69, 359-364, 2007

Gosso MF, Geus EJC de, Polderman TJC, **Boomsma DI**, Heutink P, Posthuma D. Common variants underlying cognitive ability: further evidence for association between the SNAP-25 gene and cognition using a family-based study in two independent Dutch cohorts. *Genes, Brain and Behavior*, 2007, in press

Groothest DS van, Bartels M, Cath DC, Beekman AT, Hudziak JJ, **Boomsma DI**. Genetic and environmental mechanisms underlying stability in childhood obsessive-compulsive behavior. *Biological Psychiatry*, 61, 308-15, 2007

Groothest DS van, Cath DC, Beekman ATF, **Boomsma DI**. Genetic and environmental influences on Obsessive Compulsive symptoms in adults. A population-based twin-family study, *Psychological Medicine*, 37, 1635-1644, 2007

Groothest DS van, **Boomsma DI**, Hettema JM, Kendler KS. Heritability of Obsessive-Compulsive Symptom dimensions. *Am J Med Genet B Neuropsychiatr Genet*, 2007, epub

Gosso FM, Geus EJC de, Polderman TJC, **Boomsma DI**, Posthuma D, Heutink P. Exploring the functional role of the CHRM2 gene in human cognition: results from a dense genotyping and brain expression study. *BMC Medical Genetics*, 8(1):66, 2007

Heijmans BT, Kremer D, Tobi E, **Boomsma DI**, Slagboom PE. Heritable rather than age-related environmental factors underlie variation in DNA methylation of the human IGF2/H19 locus. *Human Molecular Genetics*, 16, 547-554, 2007

Hoekstra RA, Bartels M, **Boomsma DI**. Longitudinal genetic study of verbal and nonverbal IQ from early childhood to young adulthood. *Learning and Individual Differences*, 17, 97-114, 2007

Hoekstra RA, Bartels M, Verweij CJH, **Boomsma DI**. Heritability of autistic traits in the general population. *Archives Pediatrics & Adolescent Medicine*, 161, 372-377, 2007

Hoekstra RA, Bartels M, Hudziak JJ, Beijsterveldt CEM Van, **Boomsma DI**. Genetic and environmental covariation between autistic traits and behavioral problems. *Twin Res Hum Genet*, 10(6), 853-860, 2007

Hottenga JJ, Whitfield JB, Posthuma D, Willemsen G, de Geus EJC, Martin NG, **Boomsma DI**. Genome-wide scan for Blood Pressure in Australian and Dutch twins suggests linkage at 5p, 14q and 17p. *Hypertension*, 49(4):832-838, 2007

Kuijper EAM, Lambalk CB, **Boomsma DI**, van der Sluis S, Blankenstein MA, de Geus EJC, Posthuma D. Heritability of reproductive hormones in adult male twins. *Human Reproduction*, 22, 2153-2159, 2007

Kupper N, Denollet J, Geus EJC de, **Boomsma DI**, Willemsen G, Heritability of type-D personality. *Psychosomatic Medicine*, 69:675-681, 2007

Langendonk JM, Beijsterveldt CEM van, Brouwer S, Stroet Th, Hudziak JJ, **Boomsma DI**. Assessment of motor milestones in twins. *Twin Res Hum Genet*, 10(6), 835-839, 2007

Lehn H, Derks EM, Hudziak JJ, Heutink P, Van Beijsterveldt CEM, **Boomsma DI**. Attention Problems and Attention Deficit Hyperactivity Disorder in discordant and concordant MZ twins: Evidence of environmental mediators. *J Am Acad Child Adolesc Psychiatry*, 46, 83-91, 2007

Leeuwen M van, Berg SM van den, Hoekstra RA, **Boomsma DI**. Endophenotypes for intelligence in children and adolescents. *Intelligence*, 369-380, 2007

Linkenkaer-Hansen K, Smit DJA, Andre Barkil A, Beijsterveldt CEM, Brussaard AB, **Boomsma DI**, van Ooyen A, de Geus EJC. Genetic contributions to long-range temporal correlations in ongoing oscillations, *The Journal of Neuroscience*, 27(50):13882-13889, 2007

Middeldorp CM, de Geus EJ, Beem AL, Lakenberg N, Hottenga JJ, Slagboom PE, **Boomsma DI**. Family based association analyses between the serotonin transporter gene polymorphism (5-HTTLPR) and neuroticism, anxiety and depression. *Behav Genet*, 37(2):294-301, 2007

Moor MHM de, Stubbe JH, **Boomsma DI**, De Geus EJC. Exercise participation and self-rated health: Do common genes explain the association? *Eur J Epidemiology*, 22, 27-32, 2007

Moor MHM de, Posthuma D, Hottenga JJ, Willemsen G, **Boomsma DI**, Geus EJC de. Genome-wide linkage scan for exercise participation in Dutch sibling pairs. *Eu J Hum Genet*, 15, 1252-1259, 2007

Moor MHM de, Spector TD, Cherkas LF, Falchi M, Hottenga JJ, **Boomsma DI**, EJC De Geus. Genome-wide linkage scan for athlete status in 700 British female DZ twin pairs. *Twin Res Hum Genet*, 10, 812-820, 2007

Ordoñana JR, Rebollo I, González-Javier F, Pérez-Riquelme F, Martínez-Selva JM, Willemsen G, **Boomsma DI**. Heritability of body mass index: A comparison between The Netherlands and Spain. *Twin Res Hum Genet*, 10: 749-756, 2007

Peper JS, Brouwer R, **Boomsma DI**, Kahn RS, Hulshoff Pol HE. Genetic influences on human brain structure: a review of brain imaging studies in twins. *Human Brain Mapping*, 28(6):464-473, 2007

Perola M, Sammalisto S, T. Hiekkalinna, Martin NG, Visscher PM, Montgomery GW, Benyamin B, Harris JR, **Boomsma D**, Willemsen G, Hottenga JJ, Christensen K, Kyvik KO, Sorensen TIA, N Pedersen, Magnusson

- PKE, Spector TD, Widen E, Silventoinen K, Kaprio J, Palotie A, Peltonen L, for the GenomeEUtwins – project. Combined genome scans for body stature in 6602 European twins: evidence for common Caucasian loci, *PLoS Genetics*, 3, 6, e97, 2007
- Poelen EAP, Scholte RHJ, Willemsen G, **Boomsma DI**, Engels RCME. Drinking of parents, siblings and friends as predictors of regular alcohol use in adolescents and young adults: A longitudinal twin-family study. *Alcohol and Alcoholism*; 42(4):362-369, 2007
- Polderman TJC, Derks EM, Hudziak JJ, Verhulst FC, Posthuma D, **Boomsma DI**. Across the continuum of Attention Skills: A twin study of the SWAN ADHD rating scale. *Journal Child Psychology and Psychiatry*, 48(11):1080-1087, 2007
- Polderman TJC, Posthuma D, De Sonneville LMJ, Stins JF, Verhulst FC, **Boomsma DI**. Genetic analyses of the stability of executive functioning during childhood. *Development Psychology, Biological Psychology*, 76, 11-20, 2007
- Rebollo I, **Boomsma DI**. Personality: possible effects of inbreeding depression on Sensation Seeking. *Eur J Personality*, 21, 621-623, 2007
- Silventoinen K, Bartels M, Posthuma D, Estourgie-van Burk GF, Willemsen C, van Beijsterveldt CEM, **Boomsma DI**. Genetic regulation of growth in height and weight from three to 12 years of age: a longitudinal study of Dutch twin children. *Twin Res Human Genet*, 10(2), 354-363, 2007
- Smit DJ, Posthuma D, **Boomsma DI**, De Geus EJ. The relation between frontal EEG asymmetry and the risk for anxiety and depression. *Biol Psychol*, 74(1):26-33, 2007
- Smit DJA, Posthuma D, **Boomsma DI**, De Geus EJC. Genetic contribution to the P3 in young and middle-aged adults, *Twin Res Human Genet*. 10(2), 335-347, 2007
- Smit DJA, Posthuma D, **Boomsma DI**, De Geus EJC. Heritability of anterior and posterior visual N1. *International J of Psychophysiology*, 66(3):196-204, 2007
- Smit DJ, Stam CJ, Posthuma D, **Boomsma DI**, de Geus EJ. Heritability of "small-world" networks in the brain: A graph theoretical analysis of resting-state EEG functional connectivity. *Hum Brain Mapp*. 2007, epub
- Snieder H, Doornen LJP van, **Boomsma DI**, Thayer JF. Sex differences and heritability of two indices of heart rate dynamics: A twin study. *Twin Res Human Genet*. 10(2), 364-372, 2007
- Stins JF, Polderman JC, **Boomsma DI**, de Geus EJC. Conditional accuracy in response interference tasks: Evidence from the Eriksen flanker task and the spatial conflict task *Advances in Cognitive Psychology*, 3, 409-417, 2007
- Stubbe JH, **Boomsma DI**, Geus EJC de. The association between exercise participation and well-being: what is causing it? *Preventive Medicine*, 44 148–152, 2007
- Van 't Ent D, Lehn H, Derks EM, Hudziak JJ, Van Strien NM, Veltman DJ, De Geus EJC, Todd RD, **Boomsma DI**. A structural MRI study in monozygotic twins concordant or discordant for attention problems: Evidence for genetic and environmental heterogeneity in the developing brain. *NeuroImage* 35( 3), 1004-1020, 2007
- Vink JM, Nawijn L, **Boomsma DI**, Willemsen G. Personality differences in monozygotic twins discordant for cannabis use. *Addiction*, 102, 1942-1946, 2007
- Willemsen G, **Boomsma DI**. Religious upbringing and neuroticism in Dutch twin families. *Twin Res Human Genet*, 10(2), 327-333, 2007