

2017, 28th June - 1st July

47th Behavior Genetics Annual Meeting, Oslo, Norway

 Conference Programme

Wednesday, 28th June

Wednesday
14:30 - 17:15

Executive Committee Meeting (invitation only)

Venue Domus Academica

Wednesday
17:30 - 18:30

Harp Ensemble

Venue City Hall

Wednesday
18:00 - 19:30

Welcome Reception

Venue City Hall

Thursday, 29th June

Thursday
08:45 - 09:00

Welcome and Opening Remarks

Venue Sal A

Thursday
09:00 - 10:00

KN-1 Dobzhansky Lecture

Venue Sal A

09:00

Twins, Behavior, and Public Health

» *Jaakko Kaprio* University of Helsinki

Thursday
10:00 - 10:30

Coffee Break

Thursday
10:30 - 12:15

1A-OS Molecular Genetic Approaches

Chair Danielle Posthuma

Venue Sal A

10:30

Data integration for improved psychometric phenotypes in gene association tests

» *Justin Luningham* (University of Notre Dame), *Gitta Lubke* (University of Notre Dame), *Dan Mcartor* (University of Notre Dame)

10:45

Seven Years of Spit: An update on the Spit for Science project

» *Danielle Dick* (Virginia Commonwealth University)

11:00

Genetic Heterogeneity in Neuroticism

» *Mats Nagel* (VU University Medical Centre), *Sven Stringer* (VU Amsterdam), *Kyoko Watanabe* (VU Amsterdam), *Sophie van der Sluis* (VU University Medical Centre), *Danielle Posthuma* (VU Amsterdam)

11:15

Using common variant analyses (GWAS) for defining an inflammatory subtype of schizophrenia to genetically inform adjuvant anti-inflammatory treatment

» *Stephan Ripke* (Broadinstitute)

11:30 **Association between the Oxytocin Receptor Gene (OXTR) and Childhood Aggression**
» *Holly Poore (Emory University), Devon LoParo (Emory University), Rohan Palmer (Emory University), Hasse Walum (Emory University), Kimberly Kerley (Emory University), Larry Young (Emory University), Kerry Ressler (Harvard University), Irwin Waldman (Emory University)*

11:45 **Personality features of women-carriers of different diplotypes on polymorphic loci Val158Met COMT and -uVNTR MAOA**
» *Elena Vorobyeva (Southern Federal University), Paver Ermakov (Southern Federal University), Ekaterina Kovsh (Southern Federal University), Irina Abakumova (Southern Federal University)*

12:00 **Personality traits and low-active diplotype on polymorphic loci Val158Met COMT, -uVNTR MAOA in men**
» *Ekaterina Kovsh (Southern Federal University), Paver Ermakov (Southern Federal University), Elena Vorobyeva (Southern Federal University)*

Thursday
10:30 - 12:15

1B-OS Smoking

Chair Kristine Marceau
Venue Sal D

10:30 **Tobacco Dependence Transition Speed & The Power of Quasi-Causality**
» *Spencer Huggett (University of Colorado - Boulder), Alexander Hatoum (University of Colorado - Boulder), Robin Corley (University of Colorado - Boulder), Michael Stallings (University of Colorado - Boulder)*

10:45 **Genetic, prenatal, postnatal, and endocrine influences on adolescent smoking**
» *Kristine Marceau (Purdue University), Leslie Brick (Brown University), Valerie Knopik (Brown University), Menno Reijneveld (University Medical Center Groningen)*

11:00 **An Investigation of the Genetic and Environmental Risk Factors for Tobacco Use Behaviors in Young Adulthood**
» *Elizabeth Do (Virginia Commonwealth University), Roseann Peterson (Virginia Institute for Psychiatric and Behavioral Genetics at Virginia Commonwealth University), Bradley Webb (Virginia Institute for Psychiatric and Behavioral Genetics), Danielle Dick (Virginia Commonwealth University), Kenneth Kendler (Virginia Institute for Psychiatric and Behavioral Genetics at Virginia Commonwealth University), Hermine Maes (Virginia Institute for Psychiatric and Behavioral Genetics at Virginia Commonwealth University)*

11:15 **A causal association between smoking and body mass index? Evidence from discordant twin pair design utilizing pooled data on 21 twin cohorts**
» *Maarit Piirtola (University of Helsinki, behalf of the CODATwins study group)*

11:30 **Initial Phase of the GSCAN GWAS project**
» *Mengzhen Liu (University of Colorado - Boulder), NA GSCAN (NA)*

Thursday
10:30 - 12:15

1C-OS Educational Attainment

Chair Stéphanie van den Berg
Venue Forum

10:30 **Genetic influence on intergenerational educational attainment**
» *Ziada Ayorech (King's College London, Institute of Psychiatry, Psychology & Neuroscience), Eva Krapohl (King's College London, Institute of Psychiatry, Psychology & Neuroscience), Robert Plomin (King's College London, Institute of Psychiatry, Psychology & Neuroscience), Sophie Von Stumm (Goldsmiths, University of London)*

10:45 **Stability and change in the etiology of educational achievement across school years**
» *Kaili Rimfeld (King's College London, Institute of Psychiatry, Psychology & Neuroscience), Margherita Malanchini (King's College London, Institute of Psychiatry, Psychology & Neuroscience), Robert Plomin*

- 11:00 **Parent and offspring polygenic scores as predictors of offspring years of education**
» *Emily Willoughby (University of Minnesota - Twin Cities), James Lee (University of Minnesota - Twin Cities)*
- 11:15 **Can we Validate Twin Studies? A Census-Based Heritability Estimate of Educational Achievement**
» *Stéphanie van den Berg (University of Twente), Inga Schwabe (Tilburg University), Luc Janss (Aarhus University)*
- 11:30 **GWAS of Educational Attainment, Phase 3: Prediction**
» *Robbee Wedow (University of Colorado - Boulder), Aysu Okbay (Vrije Universiteit Amsterdam), Edward Kong (Harvard University), Patrick Turley (Massachusetts General Hospital; Broad Institute of MIT and Harvard), James Lee (University of Minnesota - Twin Cities), Meghan Zacher (Harvard University), Kevin Thom (New York University), Anh Tuan Nguyen Viet (University of Southern California), Omeed Maghzian (Harvard University), Richard Karlsson Linnér (Vrije Universiteit Amsterdam), Matthew Robinson (The University of Queensland), Social Science Genetic Association Consortium (NA), Peter Visscher (The University of Queensland), David Cesarini (New York University), Daniel Benjamin (University of Southern California)*
- 11:45 **GWAS of Educational Attainment - Phase 3: Main results**
» *Aysu Okbay (Vrije Universiteit Amsterdam), Robbee Wedow (University of Colorado - Boulder), Edward Kong (Harvard University, NBER), Patrick Turley (Broad Institute of MIT and Harvard), James Lee (University of Minnesota - Twin Cities), Meghan Zacher (Harvard University), Kevin Thom (New York University), Anh Tuan Nguyen Viet (University of Southern California), Omeed Maghzian (Harvard University, NBER), Richard Karlsson Linnér (Vrije Universiteit Amsterdam), Matthew Robinson (The University of Queensland), Social Science Genetic Association Consortium (NA), Peter Visscher (The University of Queensland), Daniel Benjamin (University of Southern California), David Cesarini (New York University)*
- 12:00 **GWAS of Educational Attainment, Phase 3: Biological Findings**
» *James Lee (University of Minnesota - Twin Cities), Aysu Okbay (Free University Amsterdam), Robbee Wedow (University of Colorado - Boulder), Edward Kong (Harvard University), Patrick Turley (Broad Institute of MIT and Harvard), Meghan Zacher (Harvard University), Kevin Thom (New York University), Anh Tuan Nguyen Viet (University of Southern California), Omeed Maghzian (Harvard University, NBER), Richard Karlsson Linnér (Vrije Universiteit Amsterdam), Matthew Robinson (The University of Queensland), Social Science Genetic Association Consortium (NA), Peter Visscher (The University of Queensland), Daniel Benjamin (University of Southern California), David Cesarini (New York University)*

Thursday
12:15 - 13:15

Lunch (provided)

Venue Møller

Thursday
13:15 - 15:00

2A-OS Methods

Chair Michael Neale

Venue Sal A

- 13:15 **Examination of Alternative Models of GxE Moderation**
» *Chelsea Sawyers (Virginia Commonwealth University), Michael Neale (Virginia Commonwealth University)*

- 13:30 **Performing Mendelian Randomization Using Structural Equation Models**
» *David Evans (University of Queensland), Nicole Warrington (University of Queensland)*

- 13:45 **BayesTwin - An R package for Bayesian Analysis of Twin Data**
» *Inga Schwabe (Tilburg University), Stéphanie van den Berg (University of Twente)*

- 14:00 **Effects of Occult Heterogeneity of Binary Traits on Estimates of Genetic Variation**
» *Michael Neale (Virginia Commonwealth University), Kenneth Kendler (Virginia Commonwealth University)*

University)

14:15

The more the merrier? Advantages of Multivariate Genetic Association Analyses

» Cesar Vroom (VU Medical Center), Christiaan De Leeuw (VU Amsterdam), Danielle Posthuma (VU Amsterdam), Conor Dolan (VU Amsterdam), Sophie van der Sluis (VU Medical Center)

14:30

Are Your Covariates Under Control? How Normalization Can Reintroduce Covariate Effects

» Oliver Pain (Birkbeck College / London School of Hygiene and Tropical Medicine), Frank Dudbridge (Leicester University), Angelica Ronald (Birkbeck College, University of London)

14:45

On the Equivalence of LD-Score Regression and Genomic-Relatedness-Based Methods

» Ronald de Vlaming (VU Amsterdam), Peter Visscher (University of Queensland)

Thursday
13:15 - 15:00

2B-SY Combining Diagnostic Interviews and Registry Data on Personality, Mental Disorders, and Substance Use

Chair Fartein Ash Torvik

Venue Sal D

Results from a longitudinal twin study combining diagnostic interviews and registry data on personality, mental disorders, and substance use

» Fartein Ask Torvik (Norwegian Institute of Public Health;), Tom Rosenström (Norwegian Institute of Public Health;), Nikolai Czajkowski (University of Oslo), Elizabeth Long (Virginia Commonwealth University), Nathan Gillespie (Virginia Commonwealth University), Ted Reichborn-Kjennerud (Norwegian Institute of Public Health;)

Correspondence between common mental disorders assessed in diagnostic interviews and health registries: Implications for genetic studies

» Fartein Ask Torvik (Norwegian Institute of Public Health;), Eivind Ystrom (Norwegian Institute of Public Health;), Kristin Gustavson (Norwegian Institute of Public Health;), Tom Rosenström (Norwegian Institute of Public Health;), Kristian Tambs (Norwegian Institute of Public Health;), Jørgen Bramness (University of Oslo), Nathan Gillespie (Virginia Commonwealth University), Steven Aggen (Virginia Commonwealth University), Kenneth Kendler (Virginia Commonwealth University), Ted Reichborn-Kjennerud (Norwegian Institute of Public Health;)

A twin study of normative personality and DSM-IV personality disorder criterion counts: evidence for separate genetic influences

» Nikolai Czajkowski (University of Oslo), Steven Aggen (Virginia Commonwealth University), Robert Krueger (University of Minnesota), Kenneth Kendler (Virginia Commonwealth University), Michael Neale (Virginia Commonwealth University), GunPeggy Knudsen (Norwegian Institute of Public Health;), Nathan Gillespie (Virginia Commonwealth University), Espen Røysamb (University of Oslo), Kristian Tambs (Norwegian Institute of Public Health;), Ted Reichborn-Kjennerud (Norwegian Institute of Public Health;)

Genetic and Environmental Risk Factors for DSM-5 Section II Personality Disorders and Section III Pathological Personality Traits

» Ted Reichborn-Kjennerud (Norwegian Institute of Public Health;), Robert Krueger (University of Minnesota), Eivind Ystrom (Norwegian Institute of Public Health;), Fartein Ask Torvik (Norwegian Institute of Public Health;), Tom Rosenström (Norwegian Institute of Public Health;), Steven Aggen (Virginia Commonwealth University), Susan South (Purdue University), Michael Neale (Virginia Commonwealth University), GunPeggy Knudsen (Norwegian Institute of Public Health;), Kenneth Kendler (Virginia Commonwealth University), Nikolai Czajkowski (University of Oslo)

The Association Between Personality Disorders with Alcohol Use and Misuse: A Population-Based Twin Study

» Elizabeth Long (Virginia Commonwealth University), Steven Aggen (v), Michael Neale (Virginia Commonwealth University), GunPeggy Knudsen (Norwegian Institute of Public Health;), Robert Krueger (University of Minnesota), Susan South (Purdue University), Nikolai Czajkowski (University of Oslo), Ragnar Nesvag (Norwegian Institute of Public Health;), Eivind Ystrom (Norwegian Institute of Public Health;), Fartein Torvik (Norwegian Institute of Public Health;), Kenneth Kendler (Virginia Commonwealth University), Nathan Gillespie (Virginia Commonwealth University), Ted Reichborn-kjennerud (Norwegian

Institute of Public Health;)

The genetic and environmental associations between cannabis use and annual income

» *Nathan Gillespie (Virginia Commonwealth University), Steven Aggen (Virginia Commonwealth University), Michael Neale (Virginia Commonwealth University), GunPeggy Knudsen (Norwegian Institute of Public Health;), Nikolai Czajkowski (University of Oslo), Ragnar Nesvag (Norwegian Institute of Public Health;), Eivind Ystrom (Norwegian Institute of Public Health;), Kenneth Kendler (Virginia Commonwealth University), Ted Reichborn-kjennerud (Norwegian Institute of Public Health;)*

Stressful life events and personality disorders in etiology of alcohol use disorder: a twin study using a novel biometric version of the statistical mediation model

» *Tom Rosenström (Norwegian Institute of Public Health;), Fartein Ask Torvik (Norwegian Institute of Public Health;), Steven Aggen (Virginia Commonwealth University), Nikolai Olavi Czajkowski (Norwegian Institute of Public Health;), Eivind Ystrom (nor), Espen Eilertsen (Norwegian Institute of Public Health;), Robert F Krueger (University of Minnesota), Nathan Gillespie (Virginia Commonwealth University), Ted Reichborn-kjennerud (Norwegian Institute of Public Health;)*

Thursday
13:15 - 15:00

2C-SY GxE Interplay on Indicators of Social Inequality

Chair Elisabeth Hahn

Venue Forum

Gene x environment interplay on indicators of social inequality

» *Elisabeth Hahn (Saarland University)*

A nuclear twin family study of cognitive abilities: Results from the German TwinLife study

» *Juliana Gottschling (Saarland University), Elisabeth Hahn (Saarland University), Wendy Johnson (University of Edinburgh), Eric Turkheimer (University of Virginia), Frank M. Spinath (Saarland University)*

A Modified Purcell Model for the Analysis of Heritability by Socioeconomic Status Interactions

» *Eric Turkheimer (University of Virginia), Christopher Beam (University of Southern California), Evan Giangrande (University of Virginia), Sarah Carroll (University of Virginia)*

On the etiology of self-esteem: Genetic and environmental effects

» *Rainer Riemann (Bielefeld University), Anke Hufer (Bielefeld University), Christian Kandler (Medical School Berlin), Amelie Nikstat (Bielefeld University), Chris Hopwood (University of California, Davis), Wiebke Bleidorn (University of California, Davis)*

SES-of-Origin and BMI in Youth: Comparing Germany and Minnesota - to be part of symposium 'Gene x Environment Interplay on Indicators of Social Inequality'

» *Wendy Johnson (University of Edinburgh), Elisabeth Hahn (Saarland University), Juliana Gottschling (University of Saarland), Franziska Lenau (University of Saarland), Frank M. Spinath (Saarland University), Matt McGue (University of Minnesota)*

The role of cultural conditions: Genetic influences on alcohol misuse across adolescence and early adulthood in Germany and the US

» *Elisabeth Hahn (Saarland University), Juliana Gottschling (Saarland University), Frank M. Spinath (Saarland University), Matt McGue (University of Minnesota), Wendy Johnson (University of Edinburgh)*

Gene x Environment Interplay on Political Participation: the Effect of Information Demands

» *Christopher Dawes (New York)*

Thursday
15:00 - 15:30

Coffee Break

Thursday
15:30 - 17:15

3A-OS Depression

Chair Nick Martin

Venue Sal A

- 15:30 **A direct test of the diathesis-stress hypothesis for depression**
 » *Nick Martin (Queensland Institute of Medical Research)*
- 15:45 **The Polygenic Risk Score for Depression is Associated with Symptoms of Antisocial Personality Disorder and Interacts with Childhood SES**
 » *Michael Lyons (Boston University), Mark Logue (Boston Univ.), Ruth Mckenzie (Boston Univ.), Rosemary Toomey (Boston Univ.), Matthew Panizzon (Univ. of California, San Diego), Carol Franz (Univ. of California, San Diego), Ming Tsuang (Univ. of California, San Diego), William Kremen (University of California San Diego)*
- 16:00 **Genetic analysis reveals etiologic heterogeneity in major depression**
 » *Roseann Peterson (Virginia Institute for Psychiatric and Behavioral Genetics), Na Cai (Wellcome Trust Sanger Institute), Tim Bigdeli (SUNY Downstate), Alexis Edwards (Virginia Institute for Psychiatric and Behavioral Genetics), Bradley Webb (Virginia Institute for Psychiatric and Behavioral Genetics), Jonathan Flint (UCLA), Kenneth Kendler (Virginia Commonwealth University)*
- 16:15 **Polygenic and pleiotropic effects on clinical heterogeneity in major depression**
 » *Tim Bigdeli (SUNY Downstate)*
- 16:30 **Genome-wide Profiling of DNA Methylome and Transcriptome in Peripheral Blood Monocytes for Major Depression: A Monozygotic Discordant Twin Study**
 » *Jinying Zhao (University of Florida), Yun Zhu (University of Florida), Eric Strachan (University of Washington), Emily Fowler (University of Washington), Tamara Bacus (University of Washington), Peter Roy-byrne (University of Washington)*
- 16:45 **Genetic correlation between nausea and vomiting during pregnancy and major depressive disorder**
 » *Lucia Colodro Conde (QIMR Berghofer Medical Research Institute), Lavinia Paternoster (University of Bristol), Penelope Lind (QIMR Berghofer Medical Research Institute), Jodie Painter (QIMR Berghofer Medical Research Institute), Margaret Wright (The University of Queensland), Grant Montgomeri (The University of Queensland), Nicholas Martin (QIMR Berghofer Medical Research Institute), Dale Nyholt (Queensland University of Technology), Sarah Medland (QIMR Berghofer Medical Research Institute)*
- 17:00 **Emotional overeating and depression in the Sri Lankan Twin Register**
 » *Moritz Herle (University College London), Carol Kan (King's College London), Kaushalya Jayaweera (Institute for Research & Development Sri Lanka), Anushka Asikari (Institute for Research & Development Sri Lanka), Sisira Siribaddana (Rajarata University of Sri Lanka), Helena Zavos (King's College London, Institute of Psychiatry, Psychology & Neuroscience), Athula Sumathipala (Keele University), Khalida Ismail (King's College London), Matthew Hotopf (King's College London), Janet Treasure (King's College London), Fruhling Rijdsdijk (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK)*

Thursday
15:30 - 17:15

3B-OS Developmental Disorders

Chair Jenae Neiderhiser

Venue Sal D

- 15:30 **The Influence of Neurodevelopmental Problems on the Risk of Sexual Victimization**
 » *Agnes Ohlsson Gotby (Karolinska Institutet), Niklas Långström (Karolinska Institutet), Paul Lichtenstein (Karolinska Institutet), Erik Pettersson (Karolinska Institutet)*
- 15:45 **The etiological structure of cognitive-neurophysiological impairments in ADHD in adolescence and young adulthood**
 » *Giorgia Michelini (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK), Celeste Cheung (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK), Viryanaga Kitsune (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK), Daniel Brandeis (Department of Child and Adolescent Psychiatry and Psychotherapy, Central Institute of Mental Health, Medical Faculty Mannheim/Heidelberg University, Mannheim, Germany), Tobia Banaschewski (Department of Child and Adolescent Psychiatry and Psychotherapy, Central Institute of*

Mental Health, Medical Faculty Mannheim/Heidelberg University, Mannheim, Germany), Grainne McLoughlin (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK), Philip Asherson (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK), Fruhling Rijdsdijk (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK), Jonna Kuntsi (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK)

16:00

Shared Genetic Variants in Speech and Language Traits

» *Chin Yang Shapland* (Max Planck Institute for Psycholinguistics), *Ellen Verhoef* (Max Planck Institute for Psycholinguistics), *George Davey Smith* (University of Bristol), *Susan M Ring* (University of Bristol), *Simon E. Fisher* (Max Planck Institute for Psycholinguistics), *Beate St Pourcain* (Max Planck Institute for Psycholinguistics)

16:15

Estimating developmental changes within the genetic architecture of social communication traits: A multivariate study of genetic variance in unrelated individuals

» *Beate St Pourcain* (Max Planck Institute for Psycholinguistics), *Lindon Eaves* (Virginia Commonwealth University), *Ellen Verhoef* (Max Planck Institute of Psycholinguistics), *Chin Yang Shapland* (Max Planck Institute of Psycholinguistics), *Susan M Ring* (University of Bristol), *Simon E. Fisher* (Max Planck Institute for Psycholinguistics), *Sarah Medland* (QIMR Berghofer Medical Research Institute), *David Evans* (University of Queensland Diamantina Institute), *George Davey Smith* (University of Bristol)

16:30

Cognitive-Behavioral Severity in Three Subtelomeric Microdeletion Disorders are Not Related to Deletion Size

» *Gene Fisch* (CUNY/Baruch College), *Sarah South* (University of Utah)

16:45

Genetic risk shared between autism and schizophrenia

» *Elizabeth Schafer* (University of Illinois at Urbana-Champaign), *Jaime Derringer* (University of Illinois at Urbana-Champaign), *Howard Berenbaum* (University of Illinois at Urbana-Champaign)

17:00

Using Gene Set Enrichment Analysis to Create Polygenic Risk Scores for Childhood Externalizing Behavior

» *Kit Elam* (Arizona State University), *Charles Beekman* (Arizona State University), *Thomas Dishion* (Arizona State University), *Daniel Shaw* (University of Pittsburgh), *Melvin Wilson* (University of Virginia), *Kathryn Lemery-chalfant* (Arizona State University)

Thursday
15:30 - 17:15

3C-OS SES and Outcomes

Chair Gregory Carey

Venue Forum

15:30

Genes, IQ and Social Status

» *Gregory Carey* (University of Colorado - Boulder)

15:45

Socioeconomic status and heritability of cognitive performance in the Louisville Twin Study

» *Evan Giangrande* (University of Virginia), *Lucas Matthews* (University of Virginia), *Sarah Carroll* (University of Virginia), *Eric Turkheimer* (University of Virginia)

16:00

Parental Socioeconomic Status Moderates Genetic Influences on Cognitive Ability in a Diverse Sample of Young Adults

» *Peter Barr* (Virginia Commonwealth University), *Jeanne Savage* (Virginia Commonwealth University), *Kenneth Kendler* (Virginia Commonwealth University), *Danielle Dick* (Virginia Commonwealth University)

16:15

Genetic Instrumental Variable (GIV) regression: Explaining socioeconomic and health outcomes in non-experimental data

» *Casper Burik* (Vrije Universiteit Amsterdam), *Philipp Koellinger* (Vrije Universiteit Amsterdam), *Thomas DiPrete* (Columbia University)

16:30

Are genetic and environmental influences on objective and subjective health in late middle

age moderated by socioeconomic status?

» *Carol Franz (University of California San Diego), Asad Beck (San Diego State University), Michael Lyons (Boston University), Matthew Panizzon (University of California San Diego), William Kremen (University of California San Diego), Igems Consortium (University of Southern California)*

16:45

Heterosis and offspring intelligence: evidence from the China population census data

» *Chen Zhu (China Agricultural University), Xiaohui Zhang (Nanjing University), Qihui Chen (China Agricultural University), Qiran Zhao (China Agricultural University)*

17:00

Combining multiple genetic risk scores with social environmental factors in explaining childlessness

» *Renske Verweij (University of Groningen), Harold Snieder (University Medical Center Groningen), Gert Stulp (University of Groningen), Melinda Mills (University of Oxford), Nicola Barban (University of Oxford), Felix Tropf (University of Oxford), Guang Guo (University of No)*

Thursday
17:30 - 19:30

PS I. I. Gottesman Memorial Poster Session

Venue Reception

Irving Isadore Gottesman: The Minnesota Years

» *Matt McGue (University of Minnesota)*

Genetic and environmental contributions to video-referenced ratings of reciprocal social behavior in toddler twins

» *Julia D. Grant (Washington University School of Medicine), Natasha Marrus (Washington University School of Medicine), Anne L. Glowinski (Washington University School of Medicine), Arpana Agrawal (Washington University in St. Louis), Brooke Harris-Olenak (Palo Alto Veterans Affairs Health Care System), Jon Randolph Haber (Palo Alto Veterans Affairs Health Care System), Andrew C. Heath (Washington University School of Medicine), John N. Constantino (Washington University School of Medicine)*

Characterising the transcriptome in autism spectrum disorder using RNAseq

» *Emma Meaburn (Birkbeck College, University of London), Ayden Saffari (Birkbeck College / London School of Hygiene and Tropical Medicine), Frank Dudbridge (Leicester University)*

Mapping geographical variation in the genetic and environmental aetiology of autism spectrum disorder and attention deficit hyperactivity disorder in Sweden

» *Zoe Reed (University of Bristol), Henrik Larsson (Karolinska Institutet), Paul Lichtenstein (Karolinska Institutet), Oliver Davis (University of Bristol)*

A Longitudinal Behavior Genetic Analysis of Inhibitory Control and ADHD Symptoms from Toddlerhood through Early Adolescence

» *Jeffrey Gagne (University of Texas at Arlington), Carol Van Hulle (University of Wisconsin, Madison), Kathryn Lemery-Chalfant (Arizona State University), Hill Goldsmith (University of Wisconsin, Madison)*

A genetically sensitive, longitudinal investigation into the relationship between adoptive parent and child anxiety symptoms

» *Yasmin Ahmadzadeh (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK), Thalia Eley (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK), Jenae Neiderhiser (The Pennsylvania State University), Leslie Leve (University of Oregon), Daniel Shaw (University of Pittsburgh), David Reiss (Yale University), Misaki Natsuaki (University of California Riverside), Tom McAdams (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK)*

The manifestation of genetic risk for psychiatric disorders in a general population sample of Swedish twin children

» *Joanna Martin (Karolinska Institutet), Mark Taylor (Karolinska Institutet), Lu Yi (Karolinska Institutet), Isabell Brikell (Karolinska Institutet), Sebastian Lundström (University of Gothenburg), Paul Lichtenstein (Karolinska Institutet)*

Increased Heritability of Disordered Eating Across Puberty: A Replication in a Developmentally

Diverse Sample

» *Laura Mayhall (Michigan State University), Shannon O'Connor (Michigan State University), Kristen Culbert (University of Nevada, Las Vegas), S. Alexandra Burt (Michigan State University), Kelly Klump (Michigan State University)*

The relationship between psychotic experiences and regular smoking during adolescence: A genetically sensitive design

» *Wikus Barkhuizen (Birkbeck College, University of London), Angelica Ronald (Birkbeck College, University of London)*

The Association between Disruptive Behaviors and Self-Harm/Suicide Attempt: An Adolescent Twin Study

» *Lauren O'Reilly (Psychological & Brain Sciences, Indiana University), Patrick Quinn (Psychological & Brain Sciences, Indiana University), Sebastian Lundström (University of Gothenburg), Henrik Larsson (Karolinska Institutet), Paul Lichtenstein (Karolinska Institutet), Brian D'Onofrio (Indiana University)*

Discrimination and cultural socialization among transracially and internationally adopted adolescents: A longitudinal study

» *Samantha Schires (Michigan State University), Nicole T. Buchanan (Michigan State University), Ignacio D. Acevedo-Polakovich (Michigan State University), Richard M. Lee (University of Minnesota), Matt McGue (University of Minnesota), William G. Iacono (University of Minnesota), S. Alexandra Burt (Michigan State University)*

Early family adversity predicts peer outcomes in middle childhood: A genetically-informed twin study

» *Gianna Rea-Sandin (Arizona State University), Sierra Clifford (Arizona State University), Leah D. Doane (Arizona State University), Candace R. Lewis (Arizona State University), Kathryn Lemery-Chalfant (Arizona State University)*

The etiology of stability and change in social withdrawal through childhood: a genetically informative study

» *Laurence Tanguay-Garneau (Université Laval), Geneviève Morneau-Vaillancourt (Université Laval), Alexandra Matte-landry (Université Laval), Ginette Dionne (Université Laval), Mara Brendgen (Université du Québec à Montréal), Frank Vitaro (Université de Montréal), Richard Ernest Tremblay (Université de Montréal), Michel Boivin (Université Laval)*

Longitudinal associations between anxiety and depressive symptoms during childhood: a genetically informed cross-lagged study

» *Laurence Tanguay-Garneau (Université Laval), Alexandra Matte-landry (Université Laval), Michel Boivin (Université Laval), Mara Brendgen (Université du Québec à Montréal), Frank Vitaro (Université de Montréal), Ginette Dionne (Université Laval)*

The differences in developmental stages in genetic and environmental influences on family social support and depression in late childhood and adolescence

» *Mami Tanaka (Chiba University), Masumi Sugawara (Ochanomizu University)*

Is the common variant rs10830963 in the Melatonin Receptor 1B gene influencing the associations between depressive symptoms and glycemic traits?

» *Kadri Haljas (University of Helsinki), Jari Lahti (University of Helsinki), Tiinamaija Tuomi (Finnish Institute for Molecular Medicine, University of Helsinki; Helsinki University Hospital; Folkhälsan Research Center), Bo Isomaa (Folkhälsan Research Center; Department of Social Services and Health Care, Jakobstad, Finland), Johan Eriksson (Folkhälsan Research Center; : National Institute for Health and Welfare; Department of General Practice and Primary Health Care, University of Helsinki and Helsinki University Hospital Helsinki), Leif Groop (Diabetes and Endocrinology, Department of Clinical Sciences, Lund University Diabetes Centre, Malmö; : Finnish Institute for Molecular Medicine, University of Helsinki), Katri Räikkönen (University of Helsinki)*

Familial Factors Associated with Early versus Late Onset Depression

» *Kristy Cuthbert (Boston University), Mark Logue (Boston Univ.), Ruth Mckenzie (Boston Univ.), Rosemary Toomey (Boston Univ.), Matt Panizzon (University of California San Diego), Carol Franz*

(University of California San Diego), Ming Tsuang (Univ. of California, San Diego), William Kremen (University of California San Diego), Michael Lyons (Boston University)

Twin analysis of the association between flow proneness and work-related depressive symptoms and burnout

» [Ana Butkovic](#) (University of Zagreb), Miriam Mosing (Karolinska Institutet), Fredrik Ullen (Karolinska Institutet)

Specificity in etiology of subtypes of bipolar disorder: Evidence from a Swedish population-based family study

» [Jie Song](#) (Karolinska Institutet), Ralf Kuja-Halkola (Karolinska Institutet), Arvid Sjölander (Karolinska Institutet), Sarah Bergen (Karolinska Institutet), Henrik Larsson (Karolinska Institutet), Mikael Landén (Institute of Neuroscience and Physiology, The Sahlgrenska Academy at Gothenburg University, Gothenburg, Sweden), Paul Lichtenstein (Karolinska Institutet)

Genome-wide analyses of smoking behaviors in schizophrenia: findings from the Psychiatric Genomics Consortium

» [Roseann Peterson](#) (Virginia Institute for Psychiatric and Behavioral Genetics), Tim Bigdeli (SUNY Downstate), NA Schizophrenia Working Group Of The Psych (NA), Kenneth Kendler (Virginia Commonwealth University), Ayman Fanous (SUNY Downstate)

Genetically informed investigation of the association between childhood adverse experiences and adult psychopathology

» [Patrizia Pezzoli](#) (Abo Akademi University), Jan Antfolk (Abo Akademi University), Alexander Hatoum (Institute for Behavioral Genetics), Pekka Santtila (Abo Akademi University)

Sibling Comparisons of Polygenic Scores: Evidence for Quasi-Causal Effects of Educational Attainment Polygenes on Substance Use Disorders

» [Jessica Salvatore](#) (Virginia Commonwealth University), Fazil Aliev (Virginia Commonwealth University), Peter Barr (Virginia Commonwealth University), Sally Kuo (Virginia Commonwealth University), Jinni Su (Virginia Commonwealth University)

Heritability of Non-Medical Use of Prescription Drugs among a Sample of Undergraduate Students

» [Cassie Overstreet](#) (Virginia Commonwealth University), Mackenzie Lind (Virginia Commonwealth University), Elizabeth Do (Virginia Commonwealth University), Kenneth Kendler (Virginia Commonwealth University), Danielle Dick (Virginia Commonwealth University), Ananda Amstadter (Virginia Commonwealth University)

Initiation of cannabis use during the 80's in Spain. Social perception and heritability

» [Jose J Morosoli](#) (University of Murcia), Laura Mezquita (University Jaume I), Manuel I Ibañez (University Jaume I), Lucia Colodro Conde (QIMR), Generos Ortet (University Jaume I), Cintia Serrano-belmonte (University of Murcia), Francisca Gonzalez-javier (University of Murcia), [Juan Ordonana](#) (University of Murcia)

Polygenic Risk Scores for Alcohol Dependence Predict Subjective Response to Alcohol in a Community Sample of Regular Drinkers

» [Jacqueline Otto](#) (University of Missouri), Ian Gizer (University of Missouri), Joseph Deak (University of Missouri), Bruce Bartholow (University of Missouri), Xianyong Yin (the University of North Carolina, Chapel Hill), Kirk Wilhelmsen (the University of North Carolina, Chapel Hill)

Genome-Wide Examination of Common and Rare Variant Associations with Alcohol Response in the UCSF Family Study

» [Joseph Deak](#) (University of Missouri), Ian Gizer (University of Missouri), Jacqueline Otto (University of Missouri), Christopher Bizon (the University of North Carolina, Chapel Hill), Kirk Wilhelmsen (the University of North Carolina, Chapel Hill)

Multivariate Genetic Architecture of DSM-5 Alcohol Use Disorder

» [Rohan Palmer](#) (Emory University), Leslie Brick (Brown University), Arpana Agrawal (Washington University in St. Louis), Matthew Keller (University of Colorado - Boulder), Andrew Heath (Washington University in St. Louis), John Mcgeary (Brown University), Laura Bierut (Washington University in St.

Louis), Valerie Knopik (Brown University)

Personality change in late adulthood: A reciprocal effects modeling approach

» *Christopher Beam (University of Southern California), Emily Sharp (Yale University), Chandra Reynolds (University of California Riverside), Margaret Gatz (University of Southern California)*

Teaching motivation and altruism: A Japanese twin study

» *Juko Ando (Keio), Kai Hiraishi (Keio University)*

Genetic and environmental contributions to level and change in conscientiousness among Japanese adolescent twins

» *Yusuke Takahashi (Kyoto University), Koken Ozaki (University of Tsukuba), Shinji Yamagata (Kyushu University), Juko Ando (Keio University)*

Lonely People Tend to Make Fun of Themselves

» *Julie Aitken Schermer (The University of Western Ontario), Rod Martin (The University of Western Ontario), Philip Vernon (The University of Western Ontario), Nicholas Martin (QIMR), Lucia Colodro Conde (QIMR), Michael Lynskey (King's College)*

Links Between Callous-Unemotional Behaviors and Prosociality in Early Childhood

» *Megan Flom (Boston University), Kimberly Saudino (Boston University)*

Relations among parental self-efficacy, emotional availability, and children's negative emotionality: A genetically-informed, longitudinal twin study

» *Veronica Oro (Arizona State University), Leah Doane (Arizona State University), Kathryn Lemery-Chalfant (Arizona State University)*

Differential Sensitivity of IQ Subtests to SES

» *Lucas Matthews (University of Virginia), Evan Giangrande (University of Virginia), Sarah Carroll (University of Virginia), Eric Turkheimer (University of Virginia)*

Gene x SES interaction on child achievement and cognition in a U.S. sample

» *Susan Gross (Case Western Reserve University), Carol Gross (Case Western Reserve University), Lee Thompson (Case Western Reserve University), Stephen Petrill (The Ohio State University)*

Education, reproductive success and longevity: a Mendelian randomization study

» *Rebecca Lawn (University of Bristol), Abigail Fraser (University of Bristol), Ian Penton-voak (University of Bristol), Marcus Munafo (University of Bristol)*

Reproductive success vs fitness: Testing the genetic correlation between number of children and grandchildren in a range of preindustrial societies

» *Brendan Zietsch (University of Queensland), Abdel Abdellaoui (Vrije Universiteit Amsterdam), Drew Bailey (University of California, Irvine), Robert Walker (University of Missouri), Karin Verweij (Radboud University)*

Do different academic skills and IQ share the same genetic factor?

» *Connie Suk-Han Ho (The University of Hong Kong), Jason C.-M. Lo (Chinese University of Hong Kong), Mo Zheng (The University of Hong Kong), Catherine McBride (Chinese University of Hong Kong), Bonnie W. Y. Chow (City University of Hong Kong), Simpson W. L. Wong (Education University of Hong Kong), Mary M. Wayne (Chinese University of Hong Kong), Richard K. W. Choy (Chinese University of Hong Kong), Richard Olson (University of Colorado - Boulder)*

Exploring neighborhood environmental influences on reading comprehension

» *Callie Little (Florida State University), Sara Hart (Florida State University), Jeanette Taylor (Florida State University)*

Do genetic factors explain the link between language and school readiness in toddlers?

» *Kayla Finch (Boston University), Megan Flom (Boston University), Kimberly Saudino (Boston University)*

Parenting Quality and Mathematics Performance in Early Childhood: Using an Adoption Design to Disentangle Genetic and Environmental

» GIULIA BORRIELLO (The Pennsylvania State University), Amanda Ramos (The Pennsylvania State University), Leslie Leve (University of Oregon), Misaki Natsuaki (University of California Riverside), David Reiss (Yale University), Daniel Shaw (University of Pittsburgh), Jenae Neiderhiser (The Pennsylvania State University)

Genetic and Environmental Influences on Adolescent Addiction Problem Strategies

» Carol Gross (Case Western Reserve University), Susan Gross (Case Western Reserve University), Lee Thompson (Case Western Reserve University), Stephen Petrill (The Ohio State University)

A behavior genetic investigation of the relationship between vocational interests and measured intelligence

» Julie Aitken Schermer (The University of Western Ontario), Philip Vernon (The University of Western Ontario), Andrew Johnson (The University of Western Ontario)

Genome-wide association study of executive functions during adolescence

» Georgina Donati (Birkbeck College, University of London), Emma Meaburn (Birkbeck College, University of London), Iroise Dumontheil (Birkbeck College, University of London)

The rank-order stability of cognitive performance across time in a longitudinal twin design

» shandell pahlen (University of California Riverside), Matt McGue (University of Minnesota), Chandra Reynolds (University of California Riverside)

APOE genotype and plasticity in cognitive training

» Anne Cecilie Sjøli Bråthen (University of Oslo, Norway), Ann-Marie Glasø De Lange (University of Oslo), Beate Duus Wetteland (University of Oslo), Anders Martin Fjell (University of Oslo), Kristine Beate Walhovd (University of Oslo)

DNA methylation in Alzheimer's disease associated genes

» Ida Karlsson (Karolinska Institutet), Alexander Ploner (Karolinska Institute), Yunzhang Wang (Karolinska Institute), Nancy L Pedersen (Karolinska Institutet), Sara Hägg (Karolinska Institutet)

Heritability of spontaneous eye blink rate

» Andrey Anokhin (Washington University School of Medicine), Simon Golosheykin (Washington University School of Medicine)

DUF1220 copy number and the evolutionary expansion of primate cerebral cortex

» Markus Sneve (University of Oslo), Anders Martin Fjell (University of Oslo), Kristine Beate Walhovd (University of Oslo)

Genetic and Environmental Influences on Cortisol Response to Trier Social Stress Test

» Chelsea Sawyers (Virginia Commonwealth University), Christina Sheerin (Virginia Commonwealth University), Meridith Eastman (Virginia Commonwealth University), Jason Burchett (Virginia Commonwealth University), Ananda Amstadter (Virginia Commonwealth University), Roxann Roberson-Nay (Virginia Commonwealth University)

social stress, epigenetic changes and pain

» Mina Eriksen (The National institute of occupational health), Daniel Pitz Jacobsen (The National institute of occupational health), Johannes Gjerstad (The National institute of occupational health)

Fatigue symptoms in relation to neuroticism, anxiety-depression, and musculoskeletal pain. A longitudinal twin study

» Olav Vassend (University of Oslo), Christopher Nielsen (Norwegian Institute of Public Health, Oslo; Department of Pain Management and Research, Oslo University Hospital), Espen Røysamb (University of Oslo), Nikolai Czajkowski (University of Oslo)

Effect of age on the heritability of sleep quality

» Juan J. Madrid-valero (University of Murcia), Jose J Morosoli (University of Murcia), Juan F Sanchez-romera (University of Murcia), Leticia Serrano-belmonte (University of Murcia), Jose M Martinez-selva (University of Murcia), Juan Ordonana (University of Murcia)

Sleep problems from 18 months to 6 years: A mechanism in the intergenerational

transmission of psychopathology?

» *Kimberly Rhoades (Washington State University), Leslie Leve (University of Oregon), Misaki Natsuaki (University of California Riverside), Jenae Neiderhiser (The Pennsylvania State University), Daniel Shaw (University of Pittsburgh), Jody Ganiban (The George Washington University), David Reiss (Yale University)*

Nighttime and daytime sleep. An exploration into the genetic and environmental factors for "siesta"

» *Juan Ordonana (University of Murcia), Jesus Lopez-minguez (University of Murcia), Lucia Colodro Conde (QIMR Berghofer Medical Research Institute), Eduvigis Carrillo (University of Murcia), Jose A. Madrid (University of Murcia), Marta Garaulet (University of Murcia)*

Childhood Psychosocial Home Environment Modifies Genetic and Environmental Influences on Leisure-Time Physical Activity in Young Adulthood

» *Sari Aaltonen (University of Helsinki), Richard Rose (Indiana University), Urho Kujala (University of Jyväskylä), Lea Pulkkinen (University of Jyväskylä), Jaakko Kaprio (University of Helsinki), Karri Silventoinen (University of Helsinki)*

Early Life Stress and Genetic Risk for Neuroticism Predicting Health Outcomes in Older Swedish Twins

» *Kelli Lehto (Karolinska Institutet; National Institute for Health Development), Ida Karlsson (Karolinska Institutet), Cecilia Lundholm (Karolinska Institutet), Nancy L Pedersen (Karolinska Institutet)*

Genetic background specific for TgAb discordant twins

» *Mikio WATANABE (Osaka University), Yoichi Takenaka (Kansai University), Chika Honda (Osaka University), Yoshinori Iwatani (Osaka University)*

Using a Three-item Questionnaire to Determine Zygosity in Chinese Young Twins: A Validation Study

» *Mo Zheng (The University of Hong Kong), Connie Suk-Han Ho (The University of Hong Kong), Catherine McBride (Chinese University of Hong Kong), Bonnie W. Y. Chow (City University of Hong Kong), Simpson W. L. Wong (Education University of Hong Kong), Richard K. W. Choy (Chinese University of Hong Kong), Mary M. Waye (Chinese University of Hong Kong), Richard Olson (University of Colorado - Boulder)*

Personality Similarity in Unrelated Look-Alike Pairs: Further Tests of a Twin Study Criticism

» *Nancy Segal (CSU Fullerton), Brittney Hernandez (CSU Fullerton), Jamie Graham (University of Texas at Austin), Ulrich Ettinger (University of Bonn)*

Design and implementation of a customized genotyping array for imputation-based genome-wide association studies: the Avera-NTR Global Screening Array

» *Jeffrey Beck (Avera Institute for Human Genetics), Erik Ehli (Avera Institute for Human Genetics), Hamdi Mbarek (Vrije Universiteit Amsterdam), Noah Kallsen (Avera Institute for Human Genetics), Shanna Peyton (Avera Institute for Human Genetics), Abdel Abdellaoui (Vrije Universiteit Amsterdam), Gonneke Willemsen (Vrije Universiteit Amsterdam), Iryna Fedko (Vrije Universiteit Amsterdam), Eco De Geus (Vrije Universiteit Amsterdam), Dorret Boomsma (Vrije Universiteit Amsterdam), Gareth Davies (Avera Institute for Human Genetics), Jouke Hottenga (Vrije Universiteit Amsterdam)*

The Impact of Variation in Twin Relatedness on Estimates of Genetic and Environmental Influences

» *Chang Liu (The Pennsylvania State University), Peter Molenaar (The Pennsylvania State University), Jenae Neiderhiser (The Pennsylvania State University)*

Co-Twin Control Models: Assessing Bias from Measured and Unmeasured Confounders

» *Gretchen Saunders (University of Minnesota - Twin Cities), Matt McGue (University of Minnesota)*

Modeling Psychological Dynamics with Random Events

» *Kevin McKee (Virginia Commonwealth University), Michael Neale (Virginia Commonwealth University), Steven Boker (University of Virginia)*

Friday
09:00 - 10:00

KN-2 Keynote

Venue Sal A

09:00

The Children of Twins Design: What have we learned and where should we head next?

» *Thalia C. Eley Research Centre Institute of Psychiatry London*

Friday
10:00 - 10:30

Coffee Break

Friday
10:30 - 12:00

4A-SY Intergenerational Studies of Mental Health

Chair Eivind Ystrøm

Venue Sal A

Investigating intergenerational transmission of risk in a unique Norwegian extended twin-family sample

» *Eivind Ystrom (Norwegian Institute of Public Health;), Fruhling Rijdsdijk (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK), Line C. Gjerde (Norwegian Institute of Public Health;), Espen Eilertsen (Norwegian Institute of Public Health;), Tom McAdams (King's College London)*

Investigating Intergenerational Associations: Revisiting the Children-of-Twins Design I

» *Tom McAdams (King's College London), Eivind Ystrom (Norwegian Institute of Public Health;), Line C. Gjerde (Norwegian Institute of Public Health;), Espen Eilertsen (Norwegian Institute of Public Health;), Fruhling Rijdsdijk (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK)*

Investigating Intergenerational Associations: Revisiting the Children-of-Twins Design II

» *Fruhling Rijdsdijk (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK), Eivind Ystrom (Norwegian Institute of Public Health;), Line C. Gjerde (Norwegian Institute of Public Health;), Espen Eilertsen (Norwegian Institute of Public Health;), Tom McAdams (King's College London)*

Disentangling genetic transmission from the environmental effect of maternal alcohol use during pregnancy on offspring ADHD

» *Espen Moen Eilertsen (Norwegian Institute of Public Health;), Line C. Gjerde (Norwegian Institute of Public Health;), Fruhling Rijdsdijk (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK), Tom McAdams (King's College London), Eivind Ystrom (Norwegian Institute of Public Health;)*

Disentangling the effects of maternal depressive symptoms to child internalizing and externalizing problems – an extended children of twins study

» *Line C. Gjerde (Norwegian Institute of Public Health;), Espen Eilertsen (Norwegian Institute of Public Health;), Tom McAdams (King's College London), Fruhling Rijdsdijk (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK), Eivind Ystrom (Norwegian Institute of Public Health;)*

Intergenerational transmission of adult to child ADHD in a population-based cohort study

» *Eivind Ystrom (Norwegian Institute of Public Health;), Espen Eilertsen (Norwegian Institute of Public Health;), Fruhling Rijdsdijk (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK), Line C. Gjerde (Norwegian Institute of Public Health;), Tom McAdams (King's College London)*

Friday
10:30 - 12:00

4B-SY Social and Political Attitudes and Behaviours

Chair Edward Bell

Venue Sal D

The Origins of Social Conservatism: An Extended Twin Family Study using Self- and Peer-Reports

» *Edward Bell* (Brescia University College, at Western University), *Christian Kandler* (Medical School Berlin), *Rainer Riemann* (Bielefeld University)

The Genetic and Environmental Foundations of Morality

» *Christian Kandler* (Medical School Berlin), *Alexandra Zapko-Willmes* (Bielefeld)

Genetic and environmental effects on political preferences and party identification in adolescence and early adulthood: An Extended Twin Family Analysis

» *Anke Hufer* (Bielefeld University), *Anna Elena Kornadt* (Bielefeld University), *Christian Kandler* (Medical School Berlin), *Amelie Nikstat* (Bielefeld University), *Rainer Riemann* (Bielefeld University)

Sources of Homophobia towards Gay Men: A Multi-Rater Twin Study

» *Alexandra Zapko-Willmes* (Bielefeld University), *Christian Kandler* (Medical School Berlin)

Temporal Stability in Group Favoritism is Mostly Attributable to Genetic Factors

» *Gary Lewis* (Royal Holloway, University of London), *Tim Bates* (University of Edinburgh)

The Relationship Between Genes, Impulsivity, and Voter Turnout

» *Christopher Dawes* (New York)

Friday
10:30 - 12:00

4C-SY Promise of Pooled Twin Studies: IGEMS

Chair Nancy Pedersen

Venue Forum

The Promise of Pooled Twin Studies for Exploring Genetic and Epigenetic Interplay: IGEMS

» *Nancy L Pedersen* (Karolinska Institutet), *Igems Consortium* (University of Southern California)

Can genetic variants underlying subjective well-being predict age-related health problems

» *Miriam Mosing* (Karolinska Institutet), *Nancy L Pedersen* (Karolinska Institutet), *NA The Igems Consortium* (NA)

Age and Sex Moderation of Genetic and Environmental Influences on a Harmonized Measure of Financial Strain: IGEMS

» *Deborah Finkel* (Indiana University Southeast), *Chandra Reynolds* (University of California Riverside), *Catalina Zavala* (University of Southern California), *Igems Consortium* (University of Southern California)

Social class and healthy aging: What we can learn from IGEMS

» *Matt McGue* (University of Minnesota), *Inge Petersen* (University of Southern Denmark), *shandell pahlen* (University of California Riverside), *Igems Consortium* (University of Southern California)

Childhood social class as a moderator of late-life cognitive abilities

» *Malin Ericsson* (Karolinska Institutet), *Ralf Kuja-Halkola* (Karolinska Institutet), *Catalina Zavala* (University of Southern California), *Chandra Reynolds* (University of California Riverside), *Nancy L Pedersen* (Karolinska Institutet)

Longitudinal variance components of the Horvath clock and its contributing CpGs

» *Juulia Jylhävä* (Karolinska Institute), *Chandra Reynolds* (University of California Riverside), *Jacob Hjelmborg* (University of Southern Denmark), *Elizabeth Munoz* (University of California Riverside), *Qihua Tan* (University of Southern Denmark), *Lene Christiansen* (University of Southern Denmark), *Sara Hägg* (Karolinska Institutet), *Nancy L Pedersen* (Karolinska Institutet)

Friday
12:00 - 13:30

Business Meeting & Lunch

Venue Møller

Friday

5A-OS Positive Psychology

13:30 - 15:00

Chair Jennifer Harris
Venue Sal A

13:30 **The genetic aetiology of subjective wellbeing and related positive traits: Insights from diverse phenotyping**

» *Robyn Wootton (University of Bristol), Oliver Davis (University of Bristol), Claire Haworth (University of Bristol)*

13:45 **Social support and mental health in adolescence are correlated for genetic, as well as environmental, reasons**

» *Adele Wang (University of Bristol), Oliver Davis (University of Bristol), Claire Haworth (University of Bristol)*

14:00 **Subjective well-being revisited: what's in a genetic correlation?**

» *Jennifer Harris (Department of Genetic Research and Bioinformatics, The Norwegian Institute of Public Health), Julia Kutschke (Medical Department, Vestfold Hospital Trust)*

14:15 **Dyadic Perspectives in Genetically Informed Research**

» *Jessica Salvatore (Virginia Commonwealth University)*

14:30 **Did I Inherit My Moral Compass?**

» *Amanda Ramos (The Pennsylvania State University), Amanda Griffin (The Pennsylvania State University), Jenae Neiderhiser (The Pennsylvania State University), David Reiss (Yale University)*

14:45 **MTAG: Multi-Trait Analysis of GWAS implicates novel loci for depressive symptoms, neuroticism, and subjective well-being**

» *Raymond Walters (Massachusetts General Hospital; Broad Institute of MIT and Harvard), Patrick Turley (Massachusetts General Hospital; Broad Institute of MIT and Harvard), Omeed Maghzian (Harvard University), Aysu Okbay (Vrije Universiteit Amsterdam), James Lee (University of Minnesota - Twin Cities), Mark Fontana (Hospital for Special Surgery, New York), Tuan Anh Nguyen-Viet (University of Southern California), Nicholas Furlotte (23), Na 23andme Research Team (23), Na Social Science Genetic Association Conso (NA), Patrik KE Magnusson (Karolinska Institutet), Sven Oskarsson (Uppsala University), Magnus Johannesson (Stockholm School of Economics), Peter Visscher (The University of Queensland), David Laibson (Harvard University), David Cesarini (National Bureau of Economic Research; New York University; Institutet för Näringslivsforskning), Benjamin Neale (Massachusetts General Hospital; Broad Institute), Daniel Benjamin (University of Southern California)*

Friday
13:30 - 15:00

5B-OS Neighborhood Contexts

Chair Alexandra Burt
Venue Sal D

13:30 **The Colorado Adoption/Twin Study of Lifespan Behavioral Development and Cognitive Aging (CATSLife): An Introduction**

» *Chandra Reynolds (University of California Riverside), Robin Corley (University of Colorado - Boulder), John DeFries (University of Colorado - Boulder), Naomi Friedman (University of Colorado - Boulder), John Hewitt (University of Colorado - Boulder), Robert Plomin (King's College London, Institute of Psychiatry, Psychology & Neuroscience), Soo Rhee (University of Colorado - Boulder), Andrew Smolen (University of Colorado - Boulder), Michael Stallings (University of Colorado - Boulder), Sally Wadsworth (University of Colorado - Boulder)*

13:45 **The Application of Ecological Momentary Assessment and Geolocation to a Longitudinal Twin Study of Substance Use**

» *David Brazel (University of Colorado - Boulder), Robin Corley (University of Colorado - Boulder), Chanda Phelan (University of Michigan), Maia Frieser (University of Colorado - Boulder), Hariharan Subramonyam (University of Michigan), Sally-Ann Rhea (University of Colorado - Boulder), Helen Vernier (University of Colorado - Boulder), John Hewitt (University of Colorado - Boulder), Paul Resnick (University of Michigan), Scott Vrieze (University of Colorado - Boulder)*

14:00 **Alcohol Outlet Density and Alcohol Use and Problems: Evidence for Gene-Environment**

Interaction?

» *Wendy Slutske (University of Missouri), Arielle Deutsch (Pennsylvania State University)*

14:15

It really does take a village: The role of neighbors in the etiology of child antisocial behavior

» *S. Alexandra Burt (Michigan State University), Amber Pearson (Michigan State University), Kelly Klump (Michigan State University), Jenae Neiderhiser (The Pennsylvania State University)*

14:30

Differences in exam performance between school types mirrors genotype differences between them

» *Emily Smith-Woolley (King's College London), Eva Krapohl (King's College London, Institute of Psychiatry, Psychology & Neuroscience), Saskia Selzam (King's College London), Kaili Rimfeld (King's College London, Institute of Psychiatry, Psychology & Neuroscience), Jean-baptiste Pingault (University College London), Sophie Von Stumm (Goldsmiths, University of London), Kathryn Asbury (York University), Philip Dale (University of New Mexico), Yulia Kovas (Goldsmiths, University of London), Robert Plomin (King's College London, Institute of Psychiatry, Psychology & Neuroscience)*

Friday
13:30 - 15:00

5C-OS Adult Development and Aging

Chair William Kremen

Venue Forum

13:30

Genetic/Environmental Architecture and Stability of Executive Functions in Midlife

» *Daniel Gustavson (University of California San Diego), Matthew Panizzon (University of California San Diego), Carol Franz (University of California San Diego), Naomi Friedman (University of Colorado - Boulder), Chandra Reynolds (University of California Riverside), Kristen Jacobson (University of Chicago), Hong Xian (St. Louis University), Michael Lyons (Boston University), William Kremen (University of California San Diego)*

13:45

Alzheimer's Disease Polygenic Risk Score Identifies Mild Cognitive Impairment in Adults in their 50s

» *William Kremen (University of California San Diego), Mark Logue (Boston Univ.), Matthew Panizzon (University of California San Diego), Jeremy Elman (University of California San Diego), Nathan Gillespie (Virginia Commonwealth University), Sean Hatton (University of California San Diego), Daniel Gustavson (University of California San Diego), Ole Andreassen (University of Oslo/NORMENT), Anders Dale (University of California San Diego), Michael Lyons (Boston University), Michael Neale (Virginia Commonwealth University), Chandra Reynolds (University of California Riverside), Carol Franz (University of California San Diego)*

14:00

Does association between APOE e4 genotype and brain structure increase with older age in UK Biobank? (N = 1,217)

» *Donald Lyall (University of Glasgow), Simon Cox (University of Edinburgh), Carlos Celis-Morales (University of Glasgow), Daniel Mackay (University of Glasgow), Rona Strawbridge (University of Glasgow), Laura Pidgeon (University of Glasgow), Breda Cullen (University of Glasgow), Joey Ward (University of Glasgow), Andrew Mcintosh (University of Edinburgh), Daniel Smith (University of Edinburgh), Ian Deary (University of Edinburgh), Naveed Sattar (University of Glasgow), Jill Pell (University of Glasgow)*

14:15

Genetic and environmental influences on workforce absence due to ill health – A life span study

» *Karoline Seglem (Norwegian Institute of Public Health;), Fartein Torvik (Norwegian Institute of Public Health; University of Oslo), Line C. Gjerde (Norwegian Institute of Public Health; University of Oslo), Espen Røysamb (Norwegian Institute of Public Health; University of Oslo), Kristian Tambs (Norwegian Institute of Public Health;), Ragnhild Ørstavik (Norwegian Institute of Public Health;)*

14:30

Assessing the Potential Shared Genetic Aetiology between Body Mass Index (BMI) and Sleep duration

» *Victoria Garfield (University College London), Ghazaleh Fatemifar (University College London), Caroline Dale (University College London), Yanchun Bao (University of Essex), Melissa Smart (University of Essex), Andrew Steptoe (University College London), Clare Llewellyn (University College London), Delilah Zabaneh (King's College), Meena Kumari (University of Essex)*

14:45

Sharply increased mortality among black females at older ages because of "genetic obesity"

» *Guang Guo (the University of North Carolina, Chapel Hill), Hexuan Liu (University of Cincinnati)*

Friday
15:00 - 15:30

Coffee Break

Friday
15:30 - 16:45

6A-SY Childhood Aggression I

Chair Tellervo Korhonen

Venue Sal A

Childhood Aggression - Results from the ACTION and EAGLE Consortia

» *Dorret Boomsma (Vrije Universiteit Amsterdam)*

Phenotype Harmonization – Challenges and achievements within a large international consortium

» *Gitta Lubke (University of Notre Dame), Justin Luningham (University of Notre Dame), Dorret Boomsma (Vrije Universiteit Amsterdam)*

Aggression and academic performance

» *Eero Vuoksima (University of Helsinki), Sebastian Lundström (University of Gothenburg), Meike Bartels (Vrije Universiteit Amsterdam), Toos Van Beijsterveldt (Vrije Universiteit Amsterdam), Anne Hendriks (Vrije Universiteit Amsterdam), Eveline De Zeeuw (Vrije Universiteit Amsterdam), Kauko Heikkilä (University of Helsinki), Lea Pulkkinen (University of Jyväskylä), Richard Rose (Indiana University), Paul Lichtenstein (Karolinska Institutet), Dorret Boomsma (Vrije Universiteit Amsterdam), Jaakko Kaprio (University of Helsinki)*

Childhood aggression and adulthood adversities: general and specific associations

» *Paul Lichtenstein (Karolinska Institutet), Erik Pettersson (Karolinska Institutet), Sebastian Lundström (University of Gothenburg), Martin Cederlof (Karolinska Institutet)*

Friday
15:30 - 16:45

6B-SY Understanding Childhood Achievement Using Large Twin Datasets

Chair Sara Hart

Venue Sal D

Interesting Approaches to Increase our Understanding of Childhood Achievement Using Large Twin Datasets

» *Sara Hart (Florida State University)*

Monozygotic twins discordant for educational attainment: Definitions, the null hypothesis, and other challenges

» *Brian Byrne (University of New England), William Coventry (University of New England), Connie Suk-Han Ho (University of Hong Kong), Sally Larsen (University of New England), Richard Olson (University of Colorado - Boulder)*

Unravelling the link between reading ability and print exposure

» *Elsje van Bergen (Vrije Universiteit Amsterdam), Maggie Snowling (University of Oxford), Eveline De Zeeuw (Vrije Universiteit Amsterdam), Toos Van Beijsterveldt (Vrije Universiteit Amsterdam), Conor Dolan (Vrije Universiteit Amsterdam), Dorret Boomsma (Vrije Universiteit Amsterdam)*

Early handwriting style has both genetic and environmental origins

» *Zoe Reed (University of Bristol), Andrew Newell (University College London), Bonamy Oliver (University of Sussex), Lewis Griffin (University College London), Oliver Davis (University of Bristol)*

Visualizing the nature and nurture of reading comprehension: Geocoding a large diverse twin sample

» *Sara Hart (Florida State University), Florina Erbeli (Florida State University), Oliver Davis (University of Bristol), Jeanette Taylor (Florida State University)*

Friday
15:30 - 16:45

6C-SY Risk Tolerance

Chair Philipp Koellinger

Venue Forum

Symposium: Risk tolerance

» *Philipp Koellinger (Vrije Universiteit Amsterdam), Paige Harden (University of Texas at Austin), Richard Karlsson Linnér (Vrije Universiteit Amsterdam), Edward Kong (Harvard University), Renato Frey (University of Basel)*

Risk preference shares the psychometric structure of major psychological traits

» *Renato Frey (University of Basel), Andreas Pedroni (University of Zurich), Rui Mata (University of Basel), Jörg Rieskamp (University of Basel), Ralph Hertwig (Max Planck Institute for Human Development, Berlin)*

Genetic Influences on Risk Preference in Adolescence: Results from a Multivariate Twin Study

» *Paige Harden (University of Texas at Austin), Frank Mann (University of Texas at Austin), Natalie Kretsch (University of Miami), Kathrin Herzhoff (Northwestern University), Jennifer Tackett (Northwestern University), Laurence Steinberg (Temple University), Elliot Tucker-Drob (University of Texas at Austin)*

Large-scale genetic study of risk tolerance and risky behaviors identifies new loci and reveals shared genetic influences

» *Richard Karlsson Linnér (Vrije Universiteit Amsterdam), Pietro Biroli (University of Zurich), Mark Fontana (University of Southern California), Anke Hammerschlaag (Vrije Universiteit Amsterdam), Edward Kong (Harvard University), Maël Lebreton (Universiteit van Amsterdam), Fleur Meddens (Vrije Universiteit Amsterdam), Michel Nivard (Vrije Universiteit Amsterdam), Aysu Okbay (Vrije Universiteit Amsterdam), Niels Rietveld (Erasmus University Rotterdam), Erdogan Taskesen (Vrije Universiteit Amsterdam), Patrick Turley (Broad Institute of MIT and Harvard), Ronald De Vlaming (Vrije Universiteit Amsterdam), Robbee Wedow (University of Colorado - Boulder), Abdel Abdellaoui (Vrije Universiteit Amsterdam), Yanchun Bao (University of Essex), Laura Buzdugan (University of Zurich), Chia-yen Chen (Massachusetts General Hospital), Peter Eibich (University of Oxford), Pierre Fontanillas (23), Peter Joshi (University of Edinburgh), Ville Karhunen (University of Oulu), Christina Lill (University of Lübeck), Gerardus Meddens (Team Loyalty BV), Gerard Muntané (Universitat Pompeu Fabra), Sandra Sanchez-roige (University of California San Diego), Frank Van Rooij (Erasmus University Rotterdam), Murray Stein (University of California San Diego), Adam Auton (23), David Clark (University of Edinburgh), Andrew Conlin (University of Oulu), Conor Dolan (Vrije Universiteit Amsterdam), Urs Fischbacher (University of Konstanz), Patrick Groenen (Erasmus University Rotterdam), Gregor Hasler (University of Bern), Albert Hofman (Erasmus University Rotterdam), Mohammad Ikram (Erasmus Medical Center), Sonia Jain (University of California San Diego), Robert Karlsson (Karolinska Institutet), James Mackillop (McMaster University), Minna Männikkö (University of Oulu), Carlos Morcillo-suarez (Universitat Pompeu Fabra), Klaus Schmidt (University of Munich), Melissa Smart (University of Essex), Matthias Sutter (University of Cologne), Roy Thurik (Erasmus University Rotterdam), André Uitterlinden (Erasmus Medical Center), Jon White (University College London), Harriet de Wit (University of Chicago), Lars Bertram (University of Lübeck), Dorret Boomsma (Vrije Universiteit Amsterdam), Ernst Fehr (University of Zurich), Magnus Johannesson (Stockholm School of Economics), Meena Kumari (University of Essex), Patrik KE Magnusson (Karolinska Institutet), Arcadi Navarro (Universitat Pompeu Fabra), Abraham Palmer (University of California San Diego), Daniel Schunk (Johannes Gutenberg University), Rauli Svento (University of Oulu), Henning Tiemeier (Erasmus Medical Center), Paul Timmers (University of Edinburgh), Robert Ursano (Uniformed Services University Health Science), Gert Wagner (Max Planck Institute for Human Development), James Wilson (University of Edinburgh), James Lee (University of Minnesota - Twin Cities), Jake Gratten (The University of Queensland), David Laibson (Harvard University), Danielle Posthuma (Vrije Universiteit Amsterdam), David Cesarini (New York University), Daniel Benjamin (University of Southern California), Philipp Koellinger (Vrije Universiteit Amsterdam), Jonathan Beauchamp (University of Toronto)*

Examining the shared genetic architecture of risk tolerance and related behaviors

» *Edward Kong (Harvard University), Adam Auton (23), Pierre Fontanillas (23), Sonia Jain (University of California San Diego), Chia-yen Chen (Massachusetts General Hospital), Murray Stein (University of California San Diego), Lars Bertram (University of Lübeck), Peter Eibich (University of Oxford), Christina Lill (University of Lübeck), Gert Wagner (Max Planck Institute for Human Development), Anke Hammerschlaag (Vrije Universiteit Amsterdam), Danielle Posthuma (Vrije Universiteit Amsterdam), Erdogan Taskesen (Vrije Universiteit Amsterdam), Andrew Conlin (University of Oulu), Ville Karhunen*

(University of Oulu), Minna Männikkö (University of Oulu), Rauli Svento (University of Oulu), Michel Nivard (Vrije Universiteit Amsterdam), Dorret Boomsma (Vrije Universiteit Amsterdam), Abdel Abdellaoui (Vrije Universiteit Amsterdam), Conor Dolan (Vrije Universiteit Amsterdam), Harriet de Wit (University of Chicago), Abraham Palmer (University of California San Diego), James Mackillop (McMaster University), Sandra Sanchez-roige (University of California San Diego), Albert Hofman (Erasmus University Rotterdam), Mohammad Ikram (Erasmus Medical Center), Henning Tiemeier (Erasmus Medical Center), André Uitterlinden (Erasmus Medical Center), Frank Van Rooij (Erasmus University Rotterdam), Patrick Groenen (Erasmus University Rotterdam), Roy Thurik (Erasmus University Rotterdam), Jonathan Beauchamp (University of Toronto), Daniel Benjamin (University of Southern California), Pietro Biroli (University of Zurich), David Cesarini (New York University), Ronald De Vlaming (Vrije Universiteit Amsterdam), Mark Fontana (University of Southern California), Richard Karlsson Linnér (Vrije Universiteit Amsterdam), Philipp Koellinger (Vri), David Laibson (Harvard University), Maël Lebreton (Universiteit van Amsterdam), James Lee (University of Minnesota - Twin Cities), Fleur Meddens (Vrije Universiteit Amsterdam), Gerardus Meddens (Team Loyalty BV), Aysu Okbay (Vrije Universiteit Amsterdam), Niels Rietveld (Erasmus University Rotterdam), Patrick Turley (Broad Institute of MIT and Harvard), Robbee Wedow (University of Colorado - Boulder), Jake Gratten (The University of Queensland), Magnus Johannesson (Stockholm School of Economics), Robert Karlsson (Karolinska Institutet), Patrik KE Magnusson (Karolinska Institutet), Yanchun Bao (University of Essex), Meena Kumari (University of Essex), Melissa Smart (University of Essex), Jon White (University College London), Peter Joshi (University of Edinburgh), James Wilson (University of Edinburgh), David Clark (University of Edinburgh), Laura Buzdugan (University of Zurich), Ernst Fehr (University of Zurich), Urs Fischbacher (University of Konstanz), Gregor Hasler (University of Bern), Carlos Morcillo-suarez (Universitat Pompeu Fabra), Gerard Muntané (Universitat Pompeu Fabra), Arcadi Navarro (Universitat Pompeu Fabra), Klaus Schmidt (University of Munich), Daniel Schunk (Johannes Gutenberg University), Matthias Sutter (University of Cologne)

Friday
16:45 - 17:00

Break

Friday
17:00 - 18:15

7A-SY Childhood Aggression II

Chair Meike Bartels (Discussant: Dorret Boomsma)

Venue Sal A

Multivariate, Multi-rater and Multi-age GWAS of aggression and attention problems

» *Michel Nivard (Vrije Universiteit Amsterdam), Hill Fung Ip (VU Amsterdam), Na EAGLE ((Early Genetics And Lifecourse Epidemiology) Consortium), Na ACTION (Aggression in Children: Unraveling gene-environment interplay to inform Treatment and InterventiON)*

Multi-rater and longitudinal GWAS of Attention and Aggression during development and the genetic correlations with adult psychiatric outcomes

» *Hill Fung Ip (VU Amsterdam), Michel Nivard (Vrije Universiteit Amsterdam), Na ACTION Consortium (Aggression in Children: Unraveling gene-environment interplay to inform Treatment and InterventiON), Na EAGLE Consortium (EARly Genetics and Lifecourse Epidemiology)*

Epigenome-wide association study meta-analysis of aggressive behavior

» *Jenny van Dongen (Vrije Universiteit Amsterdam), Matthew Suderman (University of Bristol), Karen Sugden (Duke University), Khadeeja Ismail (University of Helsinki,), Rosa H. Mulder (Universiteit Leiden), Leanne K. Küpers (University of Bristol), Mariona Bustamante (ISGlobal, Center for Research in Environmental Epidemiology (CREAL)), Silvia Alemany (ISGlobal, Center for Research in Environmental Epidemiology (CREAL)), Marc Jan Bonder (University Medical Centre Groningen), Priyanka Parmar (University of Oulu), Estelle Lowry (University of Oulu), Rick Jansen (VU University Medical Centre), Bart Baselmans (Vrije Universiteit Amsterdam), Michel Nivard (Vrije Universiteit Amsterdam), David Corcoran (Duke University), Richie Poulton (University of Otago), Jon Mill (University of Exeter), Ellis Hannon (University of Exeter), Louise Arseneault (King's College London), Eero Vuoksima (University of Helsinki,), Miina Ollikainen (University of Helsinki,), Eva Corpeleijn (University Medical Centre Groningen), Lannie Ligthart (Vrije Universiteit Amsterdam), BIOS Consortium (NA), Caroline Relton (University of Bristol), Terrie Moffitt (Duke University), Avshalom Caspi (Duke University), Jaakko Kaprio (University of Helsinki,), Henning Tiemeier (Erasmus Medical Center), Harold Snieder (University Medical Centre Groningen), Jordi Sunyer (ISGlobal, Center for Research in Environmental Epidemiology (CREAL)), Lude Franke (University Medical Centre Groningen), Sylvain Sebert (University of Oulu), Marjo-riitta Jarvelin (Imperial College*

Friday
17:00 - 18:15

7B-SY New Developments in Genetics of Psychiatric Comorbidity

Chair Elliot Tucker-Drob

Venue Sal D

New developments in the genetics of psychiatric comorbidity

» *Elliot Tucker-Drob (University of Texas at Austin), Paige Harden (University of Texas at Austin), Irwin Waldman (Emory University), Adela-Maria Isvoranu (University of Amsterdam)*

Overlapping Genetic Influences on Executive Functions, General Intelligence, and a General Factor of Psychopathology

» *Paige Harden (University of Texas at Austin), Laura Engelhardt (University of Texas at Austin), Frank Mann (University of Texas at Austin), Megan Patterson (University of Texas at Austin), Andrew Grotzinger (University of Texas at Austin), Stephanie Savicki (University of Texas at Austin), Megan Thibodeaux (University of Texas at Austin), Jennifer Tackett (Northwestern University), Elliot Tucker-Drob (University of Texas at Austin)*

Genetic and Environmental Links between General Factors of Psychopathology and Cognitive Ability in Early Childhood

» *Elliot Tucker-Drob (University of Texas at Austin), Paige Harden (University of Texas at Austin), Amanda Cheung (University of Texas at Austin), Andrew Grotzinger (University of Texas at Austin), Megan Patterson (University of Texas at Austin)*

Issues in the Validation of the General Factor of Psychopathology

» *Irwin Waldman (Emory University), Holly Poore (Emory University), Ashley Watts (Emory University), Paul Rathouz (University of Wisconsin School of Medicine and Public Health), Carol Van Hulle (University of Wisconsin, Madison), David Zald (Vanderbilt University), Benjamin Lahey (University of Chicago)*

Towards incorporating genetic risk scores into network models

» *Adela-Maria Isvoranu (University of Amsterdam)*

Friday
17:00 - 18:15

7C-SY GE Influences on Parenting

Chair Elizabeth Shewark (Discussant: Erica Spotts)

Venue Forum

The genetic and environmental influences on parenting across childhood and adolescence

» *Elizabeth Shewark (The Pennsylvania State University)*

Genetic and Environmental Influences on Associations Among Parenting and Child Negative Emotionality

» *Elizabeth Shewark (The Pennsylvania State University), Amanda Ramos (The Pennsylvania State University), Jody Ganiban (The George Washington University), Daniel Shaw (University of Pittsburgh), David Reiss (Yale University), Misaki Natsuaki (University of California Riverside), Leslie Leve (University of Oregon), Jenae Neiderhiser (The Pennsylvania State University)*

The Relationship Between Maternal Positivity and Child Positive Affectivity: A Cross-Lagged Analysis

» *Dorothy White (The George Washington University), Megan Flom (Boston University), Julia Mancini (The George Washington University), Jody Ganiban (The George Washington University), Kimberly Saudino (Boston University)*

Genetic influences on parenting are partially explained by parental internalizing symptoms

» *Amanda Broderick (The Pennsylvania State University), Amanda Griffin (The Pennsylvania State University), Amanda Ramos (The Pennsylvania State University), David Reiss (Yale University), Jody Ganiban (The George Washington University), Erica Spotts (National Institutes of Health), Paul Lichtenstein (Karolinska Institutet), Jenae Neiderhiser (The Pennsylvania State University)*

Disentangling Genetic and Environmental Influences on Parent Personality and Parenting

Behaviors

» [Amanda Griffin](#) (The Pennsylvania State University), [Amanda Ramos](#) (The Pennsylvania State University), [Amanda Broderick](#) (The Pennsylvania State University), [Jennifer Ulbricht](#) (The George Washington University), [Jody Ganiban](#) (The George Washington University), [Erica Spotts](#) (National Institutes of Health), [Paul Lichtenstein](#) (Karolinska Institutet), [David Reiss](#) (Yale University), [Jenae Neiderhiser](#) (The Pennsylvania State University)

Saturday, 1st July

Saturday 09:00 - 10:00	KN-3 Keynote Venue Sal A
09:00	The Profile of 10 Years of the Norwegian Mother and Child Cohort Study (MoBa): Breaking New Ground » Per Magnus Norwegian Institute of Public Health
Saturday 10:00 - 10:30	Coffee Break
Saturday 10:30 - 12:15	8A-OS ADHD Chair Henrik Larsson Venue Sal A
10:30	<u>Predicting attention-deficit/hyperactivity disorder severity from psychosocial stress and stress response genes: a random forest regression approach</u> » Dennis van der Meer (University of Oslo/NORMENT)
10:45	<u>Maternal antidepressant use during the first trimester of pregnancy and offspring neurodevelopmental problems</u> » Ayesha Sujan (Indiana University), Martin Rickert (Indiana University), A. Sara Oberg (Harvard T.H. Chan School of Public Health), Patrick Quinn (Indiana University), Sonia Hernández-díaz (Indiana University), Catarina Almqvist (Karolinska Institutet), Paul Lichtenstein (Karolinska Institutet), Henrik Larsson (Karolinska Institutet), Brian D'Onofrio (Indiana University)
11:00	<u>Adverse family life events during pregnancy and ADHD symptoms in five year old offspring</u> » Mina Rydell (Karolinska Institutet), Arvid Sjölander (Karolinska Institutet), Eivind Ystrom (Norwegian Institute of Public Health;), Henrik Larsson (Karolinska Institutet), Ted Reichborn-kjennerud (Norwegian Institute of Public Health;)
11:15	<u>Long-term prenatal exposure to paracetamol is associated with DNA methylation differences in children diagnosed with ADHD</u> » Kristina Gervin (University of Oslo, Norway), Hedvig Nordeng (University of Oslo), Eivind Ystrom (Norwegian Institute of Public Health;), Ted Reichborn-kjennerud (Norwegian Institute of Public Health;), Robert Lyle (Oslo University Hospital)
11:30	<u>Phenotypic and genetic correlations between diagnosed neurodevelopmental and internalizing disorders</u> » Ralf Kuja-Halkola (Karolinska Institutet), Isabell Brikell (Karolinska Institutet), Laura Ghirardi (Karolinska Institutet), Qi Chen (Karolinska Institutet), Paul Lichtenstein (Karolinska Institutet), Henrik Larsson (Karolinska Institutet)
11:45	<u>Common genetic risk variants for ADHD contribute to neurodevelopmental and externalizing population traits</u> » Isabell Brikell (Karolinska Institutet), Henrik Larsson (Karolinska Institutet), Lu Yi (Karolinska Institutet), Erik Pettersson (Karolinska Institutet), Qi Chen (Karolinska Institutet), Ralf Kuja-Halkola (Karolinska Institutet)

Institutet), Robert Karlsson (Karolinska Institutet), Paul Lichtenstein (Karolinska Institutet), Joanna Martin (Karolinska Institutet)

12:00

Genetic and environmental contribution to the overlap between ADHD and ASD dimensions in adults: a twin study

» *Laura Ghirardi (Karolinska Institutet), Erik Pettersson (Karolinska Institutet), Paul Lichtenstein (Karolinska Institutet), Henrik Larsson (Karolinska Institutet), Ralf Kuja-Halkola (Karolinska Institutet)*

Saturday
10:30 - 12:15

8B-OS Etiology of Personality

Chair Irwin Waldman

Venue Sal D

10:30

Exploring the Phenotypic Structure and Etiology of the Big 5 Personality Dimensions in Youth

» *ASHLEY WATTS (Emory University), Holly Poore (Emory University), Scott Lilienfeld (Emory University), Irwin Waldman (Emory University)*

10:45

Reconstructing personality from an etiologic perspective

» *Jaime Derringer (University of Illinois at Urbana-Champaign)*

11:00

Preferring domination or egalitarianism: Genetic and environmental structure of Social Dominance Orientation

» *Thomas H. Kleppestø (University of Oslo), Nikolai Czajkowski (University of Oslo), Olav Vassend (University of Oslo), Espen Røysamb (University of Oslo), Nikolai Haahjem Eftedal (University of Oslo), Jonas R. Kunst (University of Oslo), Lotte Thomsen (University of Oslo)*

11:15

Regulative, but not reactive, temperament traits and problem behavior are explained by the same genetic factors in Russian adolescents

» *Georgy Vasin (Psychological Institute of the Russian Academy of Education), Victoria Ismatullina (Psychological Institute of the Russian Academy of Education), Marina Lobaskova (Psychological Institute of the Russian Academy of Education), Sergey Malykh (Psychological Institute of the Russian Academy of Education)*

11:30

The relationship between avoidant personality disorder, social anxiety disorder and normative personality traits: a longitudinal twin study

» *Audun Welander-Vatn (Norwegian Institute of Public Health;), Fartein Ask Torvik (Norwegian Institute of Public Health;), Nikolai Czajkowski (Norwegian Institute of Public Health;), Kenneth Kendler (Virginia Commonwealth University), Ted Reichborn-kjennerud (Norwegian Institute of Public Health;), GunPeggy Knudsen (Norwegian Institute of Public Health;), Eivind Ystrom (Norwegian Institute of Public Health;)*

11:45

The etiological link between clinical psychiatric diagnoses and continuous variation in related traits: evidence from a twin study

» *Mark Taylor (Karolinska Institutet), Joanna Martin (Karolinska Institutet), Sebastian Lundström (University of Gothenburg), Paul Lichtenstein (Karolinska Institutet)*

12:00

Genetic evidence for psychiatric disorders as the extreme end of a continuum of population traits

» *Joanna Martin (Karolinska Institutet), Mark Taylor (Karolinska Institutet), Lu Yi (Karolinska Institutet), Isabell Brikell (Karolinska Institutet), Sebastian Lundström (University of Gothenburg), Paul Lichtenstein (Karolinska Institutet)*

Saturday
10:30 - 12:15

8C-OS Substance Abuse and Psychopathology

Chair Roseann Peterson

Venue Forum

10:30

Adolescent-Limited Cannabis Use and Developmental Delay

» *Maia Frieser (University of Colorado - Boulder), Robin Corley (University of Colorado - Boulder), John Hewitt (University of Colorado - Boulder), Christian Hopfer (University of Colorado Denver), Tamara Wall (University of California San Diego), Chandra Reynolds (University of California Riverside), Sally*

Wadsworth (University of Colorado - Boulder), Michael Stallings (University of Colorado - Boulder)

10:45 **Ecstasy use: demographics, heritability and genetic association with use of other substances**

» *Karin Verweij (Behavioural Science Institute), Jorien Treur (Behavioural Science Institute), Annabel Vreeker (Trimbos Instituut), Abdel Abdellaoui (Vrije Universiteit Amsterdam), Jouke Hottenga (Vrije Universiteit Amsterdam), Gonneke Willemsen (Vrije Universiteit Amsterdam), Tibor Brunt (Trimbos Instituut), Dorret Boomsma (Vrije Universiteit Amsterdam), Jacqueline Vink (Radboud University, Behavioural Science Institute)*

11:00 **Evidence for genetic correlation of DSM-IV opioid dependence and childhood trauma based on additive genome-wide effects**

» *Leslie Brick (Brown University), Lauren Micalizzi (Brown University), Marisa Marraccini (Brown University), Valerie Knopik (Brown University), Rohan Palmer (Emory University)*

11:15 **Substance abuse and criminality in the offspring of substance abusing parents: Children-of-siblings analyses in nationwide register data**

» *Antti Latvala (University of Helsinki), Ralf Kuja-Halkola (Karolinska Institutet), Nitya Jayaram-Lindström (Karolinska Institutet), Henrik Larsson (Karolinska Institutet), Paul Lichtenstein (Karolinska Institutet)*

11:30 **A Whole-Brain Atlas of Genetic Effects on Psychiatric Symptomology**

» *Alexander Hatoum (University of Colorado - Boulder), Andrew Reineberg (University of Colorado - Boulder), Harry Smolker (University of Colorado - Boulder), John Hewitt (University of Colorado - Boulder), Naomi Friedman (University of Colorado - Boulder)*

11:45 **Genetics of educational attainment aid in identifying biological subcategories of schizophrenia**

» *Vikas Bansal (Max Planck Institute of Experimental Medicine), Marina Mitjans (Max Planck Institute of Experimental Medicine), Casper Burik (Vrije Universiteit Amsterdam), Martin Begemann (Max Planck Institute of Experimental Medicine), Stefan Bonn (German Center for Neurodegenerative Diseases (DZNE)), Richard Karlsson Linnér (Vrije Universiteit Amsterdam), Aysu Okbay (Vrije Universiteit Amsterdam), Niels Rietveld (Erasmus University Rotterdam), Stephan Ripke (Charité - Universitätsmedizin Berlin), Michel Nivard (Vrije Universiteit Amsterdam), Hannelore Ehrenreich (Max Planck Institute of Experimental Medicine), Philipp Koellinger (Vrije Universiteit Amsterdam)*

12:00 **The etiology of social aggression**

» *Brooke Slawinski (Michigan State University), Kelly Klump (Michigan State University), S. Alexandra Burt (Michigan State University)*

Saturday
12:15 - 13:15

Lunch

Venue Møller

Saturday
13:15 - 15:00

9A-OS Prenatal Influences

Chair Tinca Polderman

Venue Sal A

13:15 **Maternal Smoking during Pregnancy and Offspring Severe Mental Illness: Evidence of Familial Confounding**

» *Patrick Quinn (Indiana University), Martin Rickert (Indiana University), Caroline Weibull (Karolinska Institutet), Anna Johansson (Karolinska Institutet), Paul Lichtenstein (Karolinska Institutet), Catarina Almqvist (Karolinska Institutet), Henrik Larsson (Karolinska Institutet), Anastasia Iliadou (Karolinska Institutet), Brian D'Onofrio (Indiana University)*

13:30 **Maternal smoking during pregnancy interacts with genetic risk in affecting externalizing problem behavior in young children**

» *Tinca Polderman (Vrije Universiteit Amsterdam, Complex Trait Genetics, Center for Neuroscience and Cognitive Research), Philip Jansen (Vrije Universiteit Amsterdam, Complex Trait Genetics, Center for Neuroscience and Cognitive Research; Department of Child and Adolescent Psychiatry, Erasmus Medical Center, Rotterdam, The Netherlands), Jorim Tielbeek (Vrije Universiteit Amsterdam, Complex Trait Genetics, Center for Neuroscience and Cognitive Research; Department Child and Adolescent Psychiatry, VU University Medical Center Amsterdam, The Netherlands), Hadi Zafarmand (Universiteit van Amsterdam,*

Amsterdam Medical Center, Dept. Public Health), Tanja Vrijkotte (Universiteit van Amsterdam, Amsterdam Medical Center, Dept. Public Health)

13:45

A Sibling Comparison Study of Maternal Smoking During Pregnancy and Child Cognitive Functioning

» *Lauren Micalizzi (Brown University), Kristine Marceau (Purdue University), Leslie Brick (Brown University), Rohan Palmer (Emory University), Alexandre Todorov (Washington University School of Medicine), Andrew C. Heath (Washington University School of Medicine), Allison Evans (Brown University), Valerie Knopik (Brown University)*

14:00

Examining the effects of genetic, prenatal illicit drug exposure, and postnatal rearing environment on child school age outcomes

» *Chang Liu (Pennsylvania State University), Leslie Leve (University of Oregon), Daniel Shaw (University of Pittsburgh), Jody Ganiban (The George Washington University), David Reiss (Yale University), Misaki Natsuaki (University of California Riverside), Jenae Neiderhiser (The Pennsylvania State University)*

14:15

Birth weight as an independent predictor of general and specific mental health problems in adulthood: A population-based, within-sibling pair analysis

» *Erik Pettersson (Karolinska Institutet), Henrik Larsson (Karolinska Institutet), Brian D'Onofrio (Indiana University), Paul Lichtenstein (Karolinska Institutet)*

14:30

Returns to birth weight in an egalitarian setting. Can parents mitigate negative effects of low birth weight?

» *Antonie Knigge (Utrecht University), Jornt Mandemakers (Utrecht University)*

14:45

Triplets, birthweight and left-handedness

» *Kauko Heikkilä (University of Helsinki,), Toos Van Beijsterveldt (Vrije Universiteit Amsterdam), Jari Haukka (University of Helsinki,), Matti Iivanainen (University of Helsinki,), Aulikki Saari-kemppainen (Helsinki University Hospital,), Dorret Boomsma (Vrije Universiteit Amsterdam), Yoshie Yokoyama (Osaka City University/ Dept Community Hlth Nursing), Eero Vuoksimaa (University of Helsinki,)*

Saturday
13:15 - 15:00

9B-SY Polygenic Architecture of Mental Illness

Chair Ole Andreassen & Srdjan Djurovic

Venue Sal D

Polygenic architecture of mental illness. Recent discoveries and future potential

» *Ole A. Andreassen (University of Oslo/NORMENT), Srdjan Djurovic (Oslo)*

Polygenic architecture of mental illness. Recent discoveries and future potential

» *Ole A. Andreassen (University of Oslo/NORMENT), Srdjan Djurovic (Oslo University Hospital)*

Item Response Theory for Precision Medicine

» *Wesley K. Thompson (Institute for biological psychiatry, Mental Health Services, Copenhagen)*

Leveraging Characteristics of Common Genetic Variants to Improve Power of Gene Discovery in Genome-wide Association Study of Neuroticism

» *yunpeng wang (University of Oslo)*

Bivariate Gaussian Mixture Model for GWAS summary statistics

» *Oleksandr Frei (University of Oslo/NORMENT)*

A polygenic approach to evolution in human psychiatric & cognitive phenotypes

» *saurabh srinivasan (University of Oslo/NORMENT), Francesco Bettella (University of Oslo, Norway)*

Investigation of genetic factors underlying specific psychotic experience traits during adolescence and their relationship with psychiatric disorders

» *Angelica Ronald (Birkbeck College, University of London), Oliver Pain (Birkbeck College / London School of Hygiene and Tropical Medicine), Alastair Cardno (Leeds), Daniel Freeman (University of Oxford), Lu Yi (Karolinska Institutet), Sebastian Lundström (University of Gothenburg), Frank Dudbridge (Leicester*

Saturday
13:15 - 15:00

9C-OS BMI and Eating Behavior

Chair Kelly Klump

Venue Forum

13:15

Genetic Overlap between Executive Functions and Body Mass Index in Childhood

» *Alexis Frazier-Wood (Baylor College of Medicine), Uku Vainik (McGill University), Daniel Briley (University of Illinois at Urbana-Champaign), Laura Engelhardt (University of Texas at Austin), Andrew Grotzinger (University of Texas at Austin), Jessica Church (University of Texas at Austin), Paige Harden (University of Texas at Austin), Elliot Tucker-Drob (University of Texas at Austin)*

13:30

Sex differences in cognitive restraint and body mass index: the COTASS-2 study

» *Carol Kan (King's College London), Moritz Herle (University College London), Kaushalya Jayaweera (Institute for Research & Development Sri Lanka), Anushka Asikari (Institute for Research & Development Sri Lanka), Sisira Siribaddana (Rajarata University of Sri Lanka), Helena Zavos (King's College London, Institute of Psychiatry, Psychology & Neuroscience), Athula Sumathipala (Keele University), Khalida Ismail (King's College London), Matthew Hotopf (King's College London), Janet Treasure (King's College London), Fruhling Rijdsdijk (King's College London, MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, London, UK)*

13:45

Mediation and modification of genetic susceptibility to obesity by eating behaviours: the EDEN and Fenland cohort studies

» *Blandine De Lauzon-Guillain* (INSERM), Emma Clifton (University of Cambridge), Felix Day (University of Cambridge), Karine Clement (Institute of Cardiometabolism and Nutrition), Soren Brage (University of Cambridge), Nita Forouhi (University of Cambridge), Simon Griffin (University of Cambridge), Yves Akoli Koudou (INSERM), Veronique Pelloux-gervais (Institute of Cardiometabolism and Nutrition), Nick Wareham (University of Cambridge), Marie-aline Charles (INSERM), Barbara Heude (INSERM), Ken Ong (University of Cambridge)*

14:00

Overlap between anorexia and bulimia nervosa: understanding genetic and environmental effects using a population registry in Sweden

» *Shuyang Yao (Karolinska Institutet), Ralf Kuja-Halkola (Karolinska Institutet), Claes Noring (Karolinska Institutet), Andreas Birgegård (Karolinska Institutet), Cynthia Bulik (Karolinska Institutet), Henrik Larsson (Karolinska Institutet)*

14:15

Children's genetic risk for obesity evokes parental feeding behavior: evidence for gene-environment correlation

» *Saskia Selzam (King's College London), Tom McAdams (King's College London), Robert Plomin (King's College London, Institute of Psychiatry, Psychology & Neuroscience), Clare Llewellyn (University College London)*

14:30

Large scale genome wide association analyses of food intake uncover associations with health and behavior

» *Fleur Meddens (Vrije Universiteit Amsterdam, Complex Trait Genetics, Center for Neuroscience and Cognitive Research), Ronald de Vlaming (Vrije Universiteit Amsterdam), Niels Rietveld (Erasmus University Rotterdam), James Lee (University of Minnesota - Twin Cities), Daniel Benjamin (University of Southern California), Carson Chow (NIH/NIDDK), Philipp Koellinger (Vrije Universiteit Amsterdam)*

14:45

The Significant Effects of Ovarian Hormones on Genetic Risk for Binge Eating during Puberty in Girls

» *Kelly Klump (Michigan State University), S. Alexandra Burt (Michigan State University), Cheryl Sisk (Michigan State University)*

Saturday
15:00 - 15:30

Coffee Break

10A- Genetics of Well-Being

Saturday
15:30 - 17:00

SY

Chair Ragnhild Bang Nes

Venue Sal A

The Genetics of Well-Being

» *Ragnhild Bang Nes* (Norwegian Institute of Public Health;), *Meike Bartels* (Vrije Universiteit Amsterdam), *Bart Baselmans* (Vrije Universiteit Amsterdam), *Espen Røysamb* (University of Oslo), *Nikolai Czajkowski* (University of Oslo)

Components and Sources of Well-being and Ill-being: A Twin Study

» *Ragnhild Bang Nes* (Norwegian Institute of Public Health;), *Nikolai Czajkowski* (University of Oslo), *Espen Røysamb* (University of Oslo), *Olav Vassend* (University of Oslo)

Overlap and Distinction between Hedonic and Eudaimonic Well-being; A genetically-informative approach to elucidate current discussions

» *Meike Bartels* (Vrije Universiteit Amsterdam), *Margo Van De Weijer* (Vrije Universiteit Amsterdam), *Gonneke Willemsen* (Vrije Universiteit Amsterdam), *Bart Baselmans* (Vrije Universiteit Amsterdam)

Multivariate Analyses and Genomic Imaging of the Well-being Spectrum

» *Bart Baselmans* (Vrije Universiteit Amsterdam), *Rick Jansen* (VU University Medical Centre), *Hill Fung Ip* (Vrije Universiteit Amsterdam), *Jenny van Dongen* (Vrije Universiteit Amsterdam), *Yanchun Bao* (University of Essex), *Melissa Smart* (University of Essex), *Meena Kumari* (University of Essex), *Abdel Abdellaoui* (Vrije Universiteit Amsterdam), *Margot van de Weijer* (Vrije Universiteit Amsterdam), *Gonneke Willemsen* (Vrije Universiteit Amsterdam), *Jouke Hottenga* (Vrije Universiteit Amsterdam), *Eco De Geus* (Vrije Universiteit Amsterdam), *Dorret Boomsma* (Vrije Universiteit Amsterdam), *Michel Nivard* (Vrije Universiteit Amsterdam), *Meike Bartels* (Vrije Universiteit Amsterdam)

Anxiety, depression and life satisfaction after midlife. A twin study across 20 years.

» *Espen Røysamb* (Department of Psychology, University of Oslo, Norway), *Ragnhild Bang Nes* (Norwegian Institute of Public Health / University of Oslo, Norway), *Nikolai Czajkowski* (Department of Psychology, University of Oslo, Norway), *Olav Vassend* (Department of Psychology, University of Oslo, Norway)

Effects of somatic and mental illness on subjective wellbeing. A discordant twin analysis.

» *Nikolai Czajkowski* (University of Oslo), *Ragnhild Bang Nes* (Norwegia), *Olav Vassend* (University of Oslo), *Espen Røysamb* (University of Oslo)

Saturday
15:30 - 17:00

**10B- Alcohol
OS**

Chair Rohan Palmer

Venue Sal D

15:30

Drinking-discordant MZ twin pairs: A forty-year follow-up

» *Richard Rose* (Psychological & Brain Sciences, Indiana University), *Richard Viken* (Psychological & Brain Sciences, Indiana University), *Jaakko Kaprio* (Department of Public Health, FIMM, University of Helsinki)

15:45

Etiological (Dis)Similarity Between Individual Alcohol Use Disorder Symptoms

» *Arielle Deutsch* (Pennsylvania State University)

16:00

An Epigenomewide Association Study (EWAS) on Alcohol Consumption: A Monozygotic Twin Study

» *Yun Zhu* (University of Florida), *Eric Strachan* (University of Washington), *Emily Fowler* (University of Washington), *Tamara Bacus* (University of Washington), *Peter Roy-byrne* (University of Washington), *Jinying Zhao* (University of Florida)

16:15

Genetic and Neurobiological Influences on Internalizing Characteristics in Binge Drinkers

» *Megan Cooke* (Virginia Institute for Psychiatric and Behavioral Genetics), *James Bjork* (Virginia Commonwealth University), *Kenneth Kendler* (Virginia Commonwealth University), *Danielle Dick* (Virginia Commonwealth University)

16:30

Drinking Motives Underlying Internalizing and Externalizing Pathways to Alcohol Misuse in

College Students

» *Jeanne Savage (Virginia Commonwealth University), John Hetteima (Virginia Commonwealth University), Roxann Roberson-Nay (Virginia Commonwealth University), Alexis Edwards (Virginia Commonwealth University), Nathan Gillespie (Virginia Commonwealth University), Kenneth Kendler (Virginia Commonwealth University), Danielle Dick (Virginia Commonwealth University)*

16:45

Alcohol Dependence Moderates the Genetic Influences Underlying Neuroticism

» *Ian Gizer (University of Missouri), Jacqueline Otto (University of Missouri), Christopher Bizon (the University of North Carolina, Chapel Hill), Kirk Wilhelmsen (the University of North Carolina, Chapel Hill)*

Saturday
15:30 - 17:00

10C-SY Sociology and Genetics

Chair Torkild Lyngstad

Venue Forum

Sociology and genetics

» *Torkild Lyngstad (University of Oslo, Norway)*

The challenge of genetics to social inequality research

» *Martin Diewald (Bielefeld University)*

The Relationship Between Genes, Cognitive and Personality Traits, and Political Participation

» *Christopher Dawes (New York), Sven Oskarsson (Uppsala University), Ben Domingue (Stanford University), Aysu Okbay (Free University Amsterdam)*

Social and genetic factors influencing human fertility behavior

» *Jornt Mandemakers (Utrecht University)*

Analysis of genetic similarity among friends and schoolmates in the National Longitudinal Study of Adolescent to Adult Health (Add Health)

» *Ben Domingue (Stanford University)*

Saturday
17:00 - 18:30

Executive Committee Meeting (invitation only)

Saturday
18:30 - 21:00

Banquet

Venue Tjuvholmen Sjømagasin