



Wednesday, 26 June

- 12:30pm **Executive Committee Meeting I**
MEB
Chaired by: Dr. Jenae Neiderhiser
- 3:45pm **WELCOME RECEPTION hosted by Stockholm Stad and Stockholms läns landsting**
City Hall

Thursday, 27 June

- 8:45am **Welcome and opening remarks**
Biomedicum 1
Chaired by: Prof. Meike Bartels and Prof. Henrik Larsson and Prof. Nancy L Pedersen
- 9am **KN-1 -**
Plenary I: Prof. dr. Cynthia Bulik - We've Had it All Wrong for So Long: Rewriting the Book on Eating Disorders with Genetics
Biomedicum 1
Chaired by: Prof. Henrik Larsson
- 10am **Coffee Break**
- 10:30am **OS-1A -**
Development
Biomedicum 1
Chaired by: Dr. Beate St Pourcain

10:30am **Genetic and environmental influences on neurobiological, cognitive, and social outcomes in pre-school and school-age twins**
» [Dr. Iizzo Bosdriesz](#), Dr. Saskia Euser, Prof. Marinus van IJzendoorn, Prof. Marian Bakermans - Kranenburg

10:45am **Modelling stability and change in the genetic architecture of language and literacy development (T)**
» [Ms. Ellen Verhoef](#), Prof. Philip S. Dale, Prof. Simon E. Fisher, Dr. Chin Yang Shapland, Dr. Beate St Pourcain

11am **The First Longitudinal Investigation of Cognitive Ability in Adult (30+) Adoptive Families**
» [Ms. Emily Willoughby](#), Prof. Matt McGue, Dr. James Lee

11:15am **Parental substance misuse and children's entry to parenthood: A genetically informed longitudinal test of fast reproductive strategy**
» [Dr. Venla Berg](#), Dr. Ralf Kuja-Halkola, Prof. Paul Lichtenstein, Dr. Antti Latvala

11:30am **Children's Emotionality in Context: Family to School Spillover**
» [Ms. Elizabeth Shewark](#), Dr. Jenae Neiderhiser, Dr. Jody Ganiban, Dr. Daniel Shaw, Dr. David Reiss, Dr. Misaki Natsuaki, Dr. Leslie Leve

11:45am **Does parental education influence child educational outcomes? A developmental analysis in a full-population sample and adoptee design**
» [Prof. Steven Ludeke](#), Prof. Miriam Gensowski, Ms. Sarah Junge, Prof. Oliver John, Prof. Simon Andersen

10:30am **SY-1B -**
Objective assessment of physical activity in genetically informative designs
Biomedicum 3
Chaired by: Prof. Eco de Geus



Continued from **Thursday, 27 June**

10:30am **Heritability of objectively assessed physical activity in the Netherlands**

» [Mr. Matthijs van der Zee](#), Dr. Nienke Schutte, Dr. Charlotte Huppertz, Dr. Stieneke Doornweerd, Prof. Meike Bartels, Prof. Eco de Geus, Prof. Hidde van der Ploeg

10:48am **Heritability of objectively assessed physical activity in the United Kingdom**

» [Dr. Marcel den Hoed](#), Dr. Soren Brage, Dr. Jing Hua Zhao, Dr. Kate Westgate, Dr. Ayrun Nessa, Dr. Ulf Ekelund, Prof. Tim Spector, Dr. Nick Wareham, Prof. Ruth Loos

11:06am **Objectively measured leisure time physical activity in the Finnish twins**

» [Dr. Katja Waller](#), Mr. Teemu Palviainen, Mr. Henri Vähä-Ypyä, Ms. Noora Lindgren, Prof. Juha Rinne, Prof. Jaakko Kaprio, Dr. Harri Sievänen, Prof. Urho M. Kujala

11:24am **Genome-wide association study of habitual physical activity in over 377,000 UK Biobank participants**

» [Dr. Yann Klimentidis](#), Dr. David Raichlen, Dr. Jennifer Bea, Dr. David Garcia, Dr. Nathan Wineinger, Dr. Lawrence Mandarino, Dr. Gene Alexander, Dr. Zhao Chen, Dr. Scott Goings

11:42am **Discussion by Eco de Geus**

» [Prof. Eco de Geus](#)

10:30am **SY-1C - Integrating human and non-human behavior genetic research: Towards a better understanding of health**

Biomedicum 4
Chaired by: Dr. Erica Spotts

10:30am **Determining the contributions of stress and inflammation to child health: harnessing the complementary strengths of fish models and human subjects research**

» [Dr. Hannah Tavalire](#), Dr. William Cresko, Dr. Leslie Leve

10:48am **Of mice and men in alcohol DNA methylation studies**

» [Dr. Shaunna Clark](#)

11:06am **Developmental nicotine exposure, epigenetics, and ADHD: Translational efforts in adolescent mice and human models**

» [Prof. Valerie Knopik](#), Mr. Jordan Buck, Dr. Heidi O'Neill, Dr. Kelsey Sanders, Dr. Charles Wageman, Prof. Jerry Stitzel, Prof. Kristine Marceau, Prof. John McGeary, Dr. Rohan Palmer, Dr. Allison Evans, Prof. Alexandre Todorov, Prof. Andrew Heath

11:24am **Existence of a major control locus for basic behavioral traits (T)**

» [Mrs. Maryam Keshavarz](#)

11:42am **Discussion by Erica Spotts**

» [Dr. Erica Spotts](#)

12pm **Lunch**

1pm **SY-2A - Noncognitive Skills**

Biomedicum 1
Chaired by: Dr. Paige Harden

1pm **Polygenic Associations with Mathematics Coursetaking in U.S. High Schools**

» [Dr. Paige Harden](#), Dr. Benjamin Domingue, Dr. Daniel Belsky, Dr. Jason Boardman, Dr. Robert Crosnoe, Dr. Michel Nivard, Dr. Elliot Tucker-Drob, Dr. Kathleen Harris

1:18pm **Examining Grit and Mindset in Concurrent and Future Reading Comprehension: A Twin Study**

» [Dr. LaTasha Holden](#), Ms. Kimberly Martinez, Dr. Sara Hart, Dr. Jeanette Taylor



Continued from **Thursday, 27 June**

1:36pm **GWAS of non-cognitive skills using Genomic SEM: Part 1**
 » [Ms. Perline Demange](#), Dr. Margherita Malanchini, Mr. Travis Mallard, Mr. Andrew Grotzinger, Dr. Hill Ip, Dr. Jasmin Wertz, Dr. Benjamin Domingue, Dr. Colter Mitchell, Dr. Eveline de Zeeuw, Dr. Elsje van Bergen, Prof. Dorret Boomsma, Dr. Pietro Biroli, Dr. Eliot Tucker Drob, Dr. Daniel Belsky, Dr. Paige Harden, Dr. Michel Nivard

1:54pm **GWAS of non-cognitive skills using Genomic SEM: Part 2**
 » [Dr. Margherita Malanchini](#), Ms. Perline Demange, Mr. Travis Mallard, Mr. Andrew Grotzinger, Dr. Hill Ip, Dr. Jasmin Wertz, Dr. Benjamin Domingue, Dr. Colter Mitchell, Dr. Eveline de Zeeuw, Dr. Elsje van Bergen, Prof. Dorret Boomsma, Dr. Pietro Biroli, Dr. Eliot Tucker-Drob, Dr. Daniel Belsky, Dr. Michel Nivard, Dr. Paige Harden

2:12pm **Discussion by Patrick Turley**
 » [Dr. Patrick Turley](#)

1pm **OS-2C -
 SES and Genetics**
Biomedicum 3
 Chaired by: Dr. Aysu Okbay

1pm **Self-control and grit across socioeconomic backgrounds (T)**
 » [Ms. Sofieke Kevenaar](#), Dr. Eveline de Zeeuw, Dr. Elsje van Bergen, Prof. Dorret Boomsma

1:15pm **The Mediating Impact of Cognitive Ability on the SES-Health Gradient (T)**
 » [Mr. Patrick O'Keefe](#), Ms. Mason Garrison, Dr. David Bard, Dr. Michael Hunter, Dr. William Beasley, Dr. Joe Rodgers

1:30pm **Preliminary results from the SSGAC's GWAS on income: Part 1 (T)**
 » [Mr. Hyeokmoon Kweon](#), Mr. Casper A.P. Burik, Dr. Richard Karlsson Linner, Dr. Ronald De Vlaming, Dr. Aysu Okbay, Prof. Thomas A. DiPrete, Prof. Philipp D. Koellinger

1:45pm **Preliminary results from the SSGAC's GWAS on income: Part 2 (T)**
 » Mr. Hyeokmoon Kweon, [Mr. Casper A.P. Burik](#), Dr. Ronald de Vlaming, Dr. Richard Karlsson Linner, Dr. Aysu Okbay, Prof. Thomas A. DiPrete, Prof. Philipp D. Koellinger

2pm **Socioeconomic status as a mediating factor in the genetic association between substance use and psychiatric disorders**
 » [Prof. Karin Verweij](#), Mr. Andries Marees, Dr. Dirk Smit, Dr. Michel Nivard, Dr. Abdel Abdellaoui, Prof. Wim van den Brink, Prof. Damiaan Denys, Prof. Eske Derks

2:15pm **Substance use: Interplay between polygenic risk and neighborhood environment**
 » [Dr. Joelle Pasman](#), Dr. Karin Verweij, Dr. Abdel Abdellaoui, Dr. Jouke-Jan Hottenga, Dr. Iryna Fedko, Prof. Gonneke Willemsen, Prof. Dorret Boomsma, Prof. Jacqueline Vink

1pm **SY-2B -
 Extended genetics of eating behaviour and disordered eating**
Biomedicum 4
 Chaired by: Mr. Christopher Hübel

1pm **Polygenic score of BMI is associated with longitudinal trajectories of child eating behavior during the first 10 years of life**
 » [Dr. Moritz Herle](#), Mr. Mohamed Abdulkadir, Mr. Christopher Hübel, Prof. Ruth Loos, Dr. Diana Santos Ferreira, Dr. Rachel Bryant-Waugh, Prof. Cynthia Bulik, Prof. Bianca De Stavola, Dr. Nadia Micali

1:15pm **Psychiatric and metabolic genetic risk is associated with adolescent eating disorders and related symptoms in a general population cohort**
 » [Mr. Mohamed Abdulkadir](#), Mr. Christopher Hübel, Dr. Moritz Herle, Dr. Jerome Breen, Prof. Ruth Loos, Prof. Cynthia Bulik, Dr. Nadia Micali

1:30pm **Anorexia nervosa and inflammatory bowel diseases**
 » [Ms. Janne Tidselbak Larsen](#), Prof. Cynthia Bulik, Dr. Laura M. Thornton, Dr. Preben Bo Mortensen, Dr. Liselotte Vogdrup Petersen



Continued from **Thursday, 27 June**

1:45pm **Familial co-aggregation of schizophrenia and eating disorders in Sweden and Denmark**

» [Ms. Ruyue Zhang](#), Ms. Janne Tidselbak Larsen, Dr. Ralf Kuja-Halkola, Dr. Liselotte Vogdrup Petersen, Prof. Cynthia Bulik, Dr. Sarah Bergen

2pm **Discussion by Christopher Huebel**

» [Mr. Christopher Hübel](#)

2:30pm **Tea Break**

3pm **OS-3A -
Statistical Methods I**

Biomedicum 1

Chaired by: Prof. Karin Verweij

3pm **Associations between violations of the classical ACE model, phenotypic complexity, and SNP heritability (T)**

» [Mr. Evan Giangrande](#), Dr. Lucas Matthews, Dr. Eric Turkheimer

3:15pm **The ABCD Study: Multilevel Modeling of Twin Data in OpenMx**

» [Dr. Michael Neale](#), Dr. Hermine Maes, Dr. Joshua Pritikin, Dr. Michael Hunter

3:30pm **Understanding “what could be”: An example of 'experimental behavioral genetics'**

» [Dr. S. Alexandra Burt](#), Dr. Kathryn Plaisance, Dr. D. Zach Hambrick

3:45pm **GWAS on the Internet: Systematic review of online news and blog articles about GWAS publications from 2005 to 2018 (T)**

» [Mr. José J. Morosoli](#), Dr. Lucía Colodro-Conde, Dr. Fiona K. Barlow, Prof. Sarah Medland

4pm **Genetic architecture of functional brain connectivity**

» [Dr. Andrew Reineberg](#), Mr. Alexander Hatoum, Dr. John Hewitt, Prof. Matthew Keller, Prof. Luke Evans, Prof. Naomi Friedman

4:15pm

Patterns of Phenotype-Environment Correlation within Cognitive Development Outcomes of NLSY Children

» [Dr. David Bard](#), Dr. Michael Hunter, Ms. Mason Garrison, Dr. William Beasley, Mr. Patrick O'Keefe, Dr. Joe Rodgers

3pm

SY-3B -

The use of genetically informed designs to investigate environmental risk factors for psychopathology

Biomedicum 3

Chaired by: Dr. Jessie Baldwin

3pm

Does Maternal Stress During Pregnancy Predict Child Emotional and Behavioural Problems? Accounting for rGE and Exploring GxE

» [Dr. Tom McAdams](#), Dr. Laurie Hannigan, Dr. Espen Moen Eilertsen, Dr. Line Gjerde, Prof. Eivind Ystrom

3:18pm

Perinatal maternal stress and early-life behavioural and emotional problems: examining the role of genetically-influenced environmental sensitivity in mothers and offspring

» [Dr. Laurie Hannigan](#), Ms. Ragna Bugge Askeland, Dr. Helga Ask, Dr. Martin Tesli, Dr. Elizabeth Corfield, Dr. Tom McAdams, Dr. Anne-Siri Øyen, Prof. George Davey Smith, Prof. Ted Reichborn-Kjennerud, Dr. Alexandra Havdahl

3:36pm

Longitudinal Examination of Parental Hostility, Inhibitory Control and Externalizing Behaviors: A Siblings-Reared-Apart Design

» [Dr. Amanda Griffin](#), Dr. Leslie Leve, Dr. Misaki Natsuaki, Dr. Daniel Shaw, Dr. David Reiss, Dr. Jody Ganiban, Dr. Jenae Neiderhiser

3:54pm

Cyber-bullying and mental health in young people: A co-twin control study

» [Dr. Jessie Baldwin](#), Dr. Tabea Schoeler, Dr. Jean-Baptiste Pingault

4:12pm

Discussion by Jenae Neiderhiser

» [Dr. Jenae Neiderhiser](#)



Continued from **Thursday, 27 June**

- 3pm **OS-3C - (Psychiatric) disorders**
Biomedicum 4
Chaired by: Dr. Laura Wesseldijk
- 3pm **A cross-disorder phenome-wide association study of 5 major psychiatric disorders in UK Biobank**
» [Dr. Beate Leppert](#), Dr. Louise Millard, Dr. Lucy Riglin, Prof. George Davey Smith, Prof. Anita Thapar, Prof. Kate Tilling, Dr. Esther Walton, Dr. Evie Stergiakouli
- 3:15pm **Sex-specific gene expression and sex-differences in behavior and mental health**
» [Dr. Abdel Abdellaoui](#), Dr. Iryna Fedko, Dr. Michel Nivard, Prof. Karin Verweij
- 3:30pm **Loss of a twin sibling and subsequent risk of psychiatric disorders**
» [Dr. Huan Song](#)
- 3:45pm **Association of genetic risk factors for eating disorders and eating disorder traits: evidence for a dimensional model of eating disorders from a Swedish twin sample (T)**
» [Ms. Lisa Dinkler](#), Dr. Mark Taylor, Dr. Nouchine Hadjikhani, Prof. Maria Råstam, Prof. Paul Lichtenstein, Prof. Christopher Gillberg, Dr. Sebastian Lundström
- 4pm **Understanding Familial Resemblance in Eating Pathology during Pre-Early Puberty: Results from a Nuclear Twin Family Model**
» [Dr. Shannon O'Connor](#), Dr. S. Alexandra Burt, Prof. Matt McGue, Prof. William Iacono, Dr. Kelly L. Klump
- 4:15pm **Questionnaires on compulsive symptoms, not worrying symptoms, significantly add to obsessive-compulsive disorder GWAS**
» [Dr. Dirk Smit](#), Prof. Karin Verweij, Dr. Danielle Cath, Prof. Dorret Boomsma

- 4:30pm **Break**
- 4:45pm **FT-4A - Flash talk session 1**
Biomedicum 1
Chaired by: Dr. Sara Hart
- 4:45pm **Genetic influences on lung function contribute to subsequent age changes in motor and cognitive function**
» [Dr. Deborah Finkel](#), Dr. Marie Ernsth Bravell
- 4:55pm **Is there a sensitive period to start music training? A genetically informative study.**
» [Dr. Laura Wesseldijk](#), Dr. Miriam Mosing, Prof. Fredrik Ullén
- 5:05pm **Missense SNPs in dopamine receptors: Function, evolution and associations**
» [Dr. Hugo Zeberg](#), Dr. Kristoffer Sahlholm
- 5:15pm **Polygene-by-prenatal adversity interactions predict pubertal timing in boys**
» [Prof. Kristine Marceau](#), Ms. Olivia Robertson, Mr. Gregor Horvath, Prof. Valerie Knopik
- 5:25pm **The genomic basis of mood instability: identification of 46 loci in 363,705 UK Biobank participants, genetic correlation with psychiatric disorders, and association with gene expression and function.**
» [Mr. Joey Ward](#), Dr. Elizabeth Tunbridge, Dr. Cynthia Sandor, Dr. Laura Lyall, Ms. Amy Ferguson, Dr. Rona Strawbridge, Dr. Donald Lyall, Dr. Breda Cullen, Dr. Nicholas Graham, Ms. Keira Johnston, Prof. Caleb Webber, Dr. Valentina Escott-Price, Prof. Michael C O'Donovan, Prof. Jill Pell, Dr. Mark Bailey, Prof. Paul Harrison, Prof. Daniel Smith
- 5:35pm **CNTN5 genetic variation in Metabolic and Mental Health**
» [Dr. Rona Strawbridge](#), Ms. Soddy Sau Yu Leung, Dr. Mark Bailey, Dr. Breda Cullen, Ms. Amy Ferguson, Dr. Nicholas Graham, Ms. Keira Johnston, Dr. Donald Lyall, Dr. Laura Lyall, Dr. Claire Niedzweidz, Dr. Robert Pearsall, Dr. Richard Shaw, Ms. Rachana Tank, Mr. Joey Ward, Prof. Daniel Smith



Continued from **Thursday, 27 June**

4:45pm

**FT-4B -
Flash talk session 2**

Biomedicum 3
Chaired by: Dr. Lucía Colodro-Conde

4:45pm

The contribution of genetic and environmental factors to the number of sport activities participated in

» Ms. Sara Mäkelä, Dr. Sari Aaltonen, Dr. Tellervo Korhonen, Prof. Karri Silventoinen, Prof. Jaakko Kaprio

4:55pm

Polygenic Risk Scores of Temperament: Associations with Temperament in Anorexia Nervosa

» Dr. jessica baker, Dr. Zeynep Yilmaz, Dr. Laura M. Thornton, Dr. Stephanie Zerwas, Dr. Katherine Schaumberg, Dr. Fernando Fernandez-Aranda, Dr. Susana Jimenez-Murcia, Dr. Andreas karwautz, Dr. Karen Mitchell, Dr. psychiatric genomics consortium eating disorders working group, Dr. Cynthia Bulik

5:05pm

The familial co-aggregation of stress-related disorders and autoimmune diseases

» Dr. Huan Song

5:15pm

Original and Replication Research with the NLSY79 and NLSY97 Kinship Links

» Dr. Will Beasley, Dr. Michael Hunter, Dr. David Bard, Ms. Mason Garrison, Mr. Patrick O'Keefe, Dr. Joe Rodgers

5:25pm

Genetic associations of borderline personality features with psychiatric and behavioural traits

» Dr. Lucía Colodro-Conde, Dr. Najaf Amin, Dr. Quinta Helmer, Dr. Jouke-Jan Hottenga, Prof. Ian Gizer, Dr. Fabian Streit, Prof. Timothy Trull, Prof. Cornelia van Duijn, Prof. Gitta Lubke, Prof. Marcella Rietschel, Prof. Nicholas Martin, Prof. Dorret Boomsma, Prof. Sarah Medland

5:35pm

Ideology, Religion, Identity and Genome Wide Runs of Homozygosity

» Prof. Martin Fieder, Dr. susanne huber

5:45pm

Pre-Birth Factors, Post-Birth Factors, and Voter Turnout: Evidence from Swedish Register Data

» Prof. Sven Oskarsson, Dr. Rafael Ahlskog, Dr. Karl-Oskar Lindgren

6pm

**PS-1 -
Cognition: Education, Intelligence, Memory, Attention**

Aula Medica

1. The contribution of genetic and environmental factors to the association between leisure-time physical activity and academic performance: A longitudinal twin study from early adolescence to young adulthood

» Dr. Sari Aaltonen, Dr. Antti Latvala, Dr. Aline Jelenkovic, Prof. Richard J. Rose, Prof. Urho M. Kujala, Prof. Jaakko Kaprio, Prof. Karri Silventoinen

2. Contributions of genetic, home and school environmental factors to language learning among Chinese-English bilingual children

» Prof. Connie Suk-Han Ho, Dr. Mo Zheng, Prof. Catherine McBride, Dr. Richard K. W. Choy

3. Evidence of Greater Sibling Divergence in Picture Vocabulary Test Scores at Higher Levels of Parental Wealth

» Dr. Christopher Beam, Ms. Kristy Yoo, Ms. Alyssa Morris, Ms. Alice Kim, Dr. Juliana Gottschling, Mr. Evan Giangrande

4. Polygenic scores for educational attainment in adults predict inter-individual differences in working memory among teenagers

» Dr. Bruno Sauce, Dr. John Wiedenhoeft, Mr. Nicholas Judd, Prof. Bader Charani, Prof. Alexander Schliep, Prof. Hugh Garavan, Prof. Torkel Klingberg



Continued from **Thursday, 27 June**

5. Inhibition in the Antisaccade task - An endophenotype for ADHD?

» [Ms. Monica Siqueiros Sanchez](#), Dr. Terje Falck-Ytter, Dr. Daniel Kennedy, Prof. Sven Bölte, Prof. Brian D'Onofrio, Prof. Paul Lichtenstein, Dr. Erik Pettersson

6. Genomic analysis of adopted and non-adopted individuals reveals gene-environment interplay for education in the UK Biobank (R)

» [Ms. Rosa Cheesman](#), Ms. Avina Hunjan, Dr. Jonathan R.I. Coleman, Ms. Yasmin Ahmadzadeh, Dr. Tom McAdams, Prof. Thalia Eley, Dr. Jerome Breen

7. Genetic contribution to inter-individual differences in human natural audio-visual experiences

» [Dr. Shunsuke Toyoda](#), Dr. Satoshi Nishida, Dr. Chika Honda, Prof. Mikio Watanabe, Dr. Miina Ollikainen, Dr. Eero Vuoksimaa, Prof. Jaakko Kaprio, Mx. Osaka Twin Research Group, Dr. Shinji Nishimoto

9. Genetic and environmental factors of individual differences in spatial recognition memory

» Ms. Victoria Ismatullina, Mr. Ivan Voronin, Mr. Ilya Zakharov, [Prof. Sergey Malykh](#)

10. Genetic and environmental influences on the association between ADHD and school achievement

» [Mr. Andreas Jangmo](#), Dr. Ralf Kuja-Halkola, Dr. Isabell Brikell, Dr. Inna Feldman, Prof. Catarina Almqvist, Prof. Cynthia Bulik, Prof. Henrik Larsson

11. Sex-specific effect of NRXN1 and NRG1 genes polymorphisms on individual differences in working memory

» [Prof. Sergey Malykh](#), Ms. Renata Enikeeva, Ms. Anastasia Kazantseva, Prof. Elza Khusnutdinova

12. Heritability of and Discordance in Reading and Spelling Difficulties in Finnish

» [Dr. Minna Torppa](#), Ms. Priyanka Patel, Prof. Jaakko Kaprio

13. Association of Parental Substance Use Disorder with Offspring Cognition: A Population Family-based Study

» [Mr. Lotfi Khemiri](#), Prof. Henrik Larsson, Dr. Ralf Kuja-Halkola, Prof. Brian D'Onofrio, Prof. Paul Lichtenstein, Dr. Nitya Jayaram-Lindström, Dr. Antti Latvala

14. Genetic and Environmental Influences on Academic Achievement of Twins

» [Dr. Yulia Chertkova](#), Prof. Marina Egorova, Dr. Oxana Parshikova

15. Contextual Influences of Prenatal Environments on Executive Function Risk for Adolescent Substance Use and Externalizing Behavior (R)

» [Mrs. Emily Rolan](#), Prof. Kristine Marceau, Dr. Lauren Micalizzi, Prof. Valerie Knopik

16. Altruism is an evolutionarily adaptive behavior: From a behavioral genetic viewpoint.

» [Dr. Iuko Ando](#)

17. Telomere Risk in Autism Spectrum Disorder

» [Dr. B. Blair Braden](#), Dr. Candace Lewis, Mr. Francis Taguinod, Mr. Wayne Jepsen, Dr. Matt Huentelman

6pm

PS-2 -

Health

Aula Medica

18. Implications of a Genetic Diagnosis (R)

» [Mrs. Katie Sakel](#)

19. Modeling Child Body Mass Index (BMI) z-scores and Instability Associated with Heritable and Rearing Environmental Influences and Child Characteristics (R)

» [Ms. Chang Liu](#), Dr. Jenae Neiderhiser, Dr. Nilam Ram, Dr. Leslie Leve, Dr. Daniel Shaw, Dr. David Reiss, Dr. Misaki Natsuaki, Dr. Jody Ganiban



Continued from **Thursday, 27 June**

20. The role of non-shared environment in overweight and eating behaviour variability: Insights from a multivariate twin study.

» [Dr. Moritz Herle](#), Mr. José J. Morosoli, Mr. Juan J Madrid-Valero, Dr. Lucía Colodro-Conde, Prof. Juan Ordoñana

21. No evidence was found for the influence of genetic effects on sleep duration in the Japanese population.

» [Dr. Fujio Inui](#), Prof. Karri Silventoinen, Dr. Chika Honda, Ms. Rie Tomizawa, Mr. Daisuke Matsumoto, Mrs. Kae Nakatani, Prof. Norio Sakai

22. Investigation of environmental influence on bone health among Japanese female twins

» [Dr. Chika Honda](#), Ms. Rie Tomizawa, Mr. Soichiro Saeki, Dr. Fujio Inui, Mx. Osaka Twin Research Group, Prof. Norio Sakai

23. Relationships between anxiety symptoms and cardiac autonomic function: a specific link with baroreflex sensitivity (R)

» [Ms. Zeynep Nas](#), Dr. Harriette Riese, Dr. Frühling Rijdsdijk

24. Genetic, pre-pregnancy, and postnatal obesity risk for early pubertal timing (R)

» [Ms. Olivia Robertson](#), Prof. Kristine Marceau, Dr. Misaki Natsuaki, Dr. Daniel Shaw, Dr. David Reiss, Dr. Leslie Leve, Dr. Jenae Neiderhiser, Dr. Jody Ganiban

25. The moderating role of socioeconomic status on the heritability of children's objective sleep (R)

» [Mrs. Gianna Rea-Sandin](#), Dr. Reagan S. Breitenstein, Dr. Leah D. Doane, Dr. Kathryn Lemery-Chalfant

26. An Extended Twin-pedigree Study of Voluntary Exercise Behavior in the Netherlands (R)

» [Mr. Matthijs van der Zee](#), Dr. Quinta Helmer, Prof. Dorret Boomsma, Prof. Eco de Geus

27. Low back pain, neck pain, and sleep quality. Genetic and environmental relationships

» [Mr. Juan J Madrid-Valero](#), Dr. Alessandro Andreucci, Dr. Juan F Sánchez-Romera, Dr. Paulo Ferreira, Prof. Juan Ordoñana

28. Genetic driven markers of Th2-type inflammation explain the link between asthma and exhaled nitric oxide in children

» [Dr. Anna Hedman](#), Dr. Ralf Kuja-Halkola, Dr. Anne Örtqvist, Prof. Marianne van Hage, Prof. Catarina Almqvist, Dr. Björn Nordlund

6pm

PS-3 -

Aging

Aula Medica

29. Pulse pressure differences in Japanese twins – two wave study

» [Ms. Rie Tomizawa](#), Dr. Chika Honda, Dr. Fujio Inui, Mx. Osaka Twin Research Group, Prof. Norio Sakai

30. Global expression profiling of cognitive level and decline in middle-aged monozygotic twins

» [Dr. Marianne Nygaard](#), Dr. Martin J. Larsen, Dr. Mads Thomassen, Prof. Matt McGue, Prof. Kaare Christensen, Prof. Qihua Tan, Dr. Lene Christiansen

31. Are There Common Genetic and Shared Environmental Confounds in The Association Between Stressful Life Events and Dementia?

» [Ms. Alice Kim](#), Dr. Christopher Beam, Dr. Elizabeth Munoz

32. DNA methylation and change in late-life cognitive abilities

» [Dr. Ida Karlsson](#), Ms. Malin Ericsson, Dr. Yunzhang Wang, Dr. Juulia Jylhävä, Dr. Sara Hägg, Dr. Anna Dahl Aslan, Prof. Chandra Reynolds, Prof. Nancy L Pedersen

33. Diabetes and Cognitive Aging: The Role of Social and Genetic Predictors (R)

» [Mr. Justin Vinneau](#), Mr. Ryan Milstead, Dr. Brooke Huibregtse, Dr. Thomas Laidley, Dr. Jason Boardman



Continued from **Thursday, 27 June**

34. The relationships between physical activity, dementia mortality and cognition in Finnish twins (R)

» [Dr. Paula Iso-Markku](#), Dr. Katja Waller, Dr. Eero Vuoksimaa, Mr. Henri Vähä-Ypyä, Ms. Noora Lindgren, Mr. Kauko Heikkilä, Dr. Harri Sievänen, Prof. Juha Rinne, Prof. Jaakko Kaprio, Prof. Urho M. Kujala

35. Heritability of subjective cognitive decline in Older Australian Twins

» [Dr. Vibeke Catts](#), Dr. Anbupalam Thalamuthu, Dr. Teresa Lee, Dr. John Crawford, Prof. Perminder Sachdev

36. Frailty and mortality: Sex differences and socioeconomic influences in Swedish twins (R)

» [Ms. Malin Ericsson](#), Prof. Nancy L Pedersen, Dr. Stefan Fors, Dr. Ralf Kuja-Halkola, Dr. Miriam Mosing, Dr. Juulia Jylhävä, Dr. Anna Dahl Aslan

37. Loneliness and DNA methylation of variants in the Conserved Transcriptional Response to Adversity (CTRA) pathway

» [Ms. Dianna Phillips](#), Dr. Yunzhang Wang, Prof. Nancy L Pedersen, Dr. Sara Hägg, Prof. Chandra Reynolds

6pm

**PS-4 -
Psychopathology**
Aula Medica

38. Early-onset depression and risk for subsequent medical outcomes: A nationwide study in Sweden (R)

» [Ms. Marica Leone](#), Dr. Ralf Kuja-Halkola, Dr. Amy Leval, Dr. Sarah Bergen

39. The Nature and Nurture of Individual Differences in Internalizing and Externalizing Behavior Problems: A Nuclear Twin Family Study (R)

» [Ms. Amelie Nikstat](#), Prof. Rainer Riemann

40. Heritable and early environmental influences on anxiety and depressive symptoms from childhood to early adolescence: The role of pubertal timing (R)

» [Ms. Tong Chen](#), Ms. Chang Liu, Dr. Leslie Leve, Dr. Jody Ganiban, Dr. Misaki Natsuaki, Dr. David Reiss, Dr. Daniel Shaw, Dr. Jenae Neiderhiser

41. Differences in pubertal status in genetic and environmental influences on social support and depression among Japanese adolescents

» [Dr. Mami Tanaka](#), [Dr. Yusuke Takahashi](#), Prof. Masumi Sugawara

42. Symptoms of sleep apnea and symptoms of internalizing/externalizing behaviors (R)

» [Mr. Juan I Madrid-Valero](#), Dr. Nicola Barclay, Prof. Richard Rowe, Dr. Rotem Perach, Prof. Daniel Buysse, Prof. Juan Ordoñana, Prof. Thalia Eley, Prof. Alice Gregory

43. Identifying Potential Causal Risk Factors for Self-Harm: A Polygenic Risk Scoring and Mendelian Randomisation Approach (R)

» [Mr. Kai Lim](#), Dr. Jean-Baptiste Pingault, Prof. Cathryn Lewis, Dr. Jonathan R.I. Coleman, Ms. Kylie Glanville, Dr. Saskia Hagenaars, Dr. Paul O'reilly, Dr. Shing Choi

44. Longitudinal associations of childhood anxiety and emotional problems with substance misuse: A prospective twin study

» [Ms. Suvi Virtanen](#), Dr. Ralf Kuja-Halkola, Prof. Henrik Larsson, Dr. Sebastian Lundström, Prof. Paul Lichtenstein, Dr. Antti Latvala

45. Home Chaos and Genetic Risk Predicting Childhood Externalizing Behaviors: A Parent-Child Adoption Study (R)

» [Mr. Gregor Horvath](#), Prof. Kristine Marceau, Prof. Valerie Knopik, Dr. Daniel Shaw, Dr. David Reiss, Dr. Misaki Natsuaki, Dr. Jody Ganiban, Dr. Leslie Leve, Dr. Jenae Neiderhiser

46. Does parents' level of depressive symptomatology moderate cousins' similarity in depressive symptomatology?

» [Ms. Alyssa Morris](#), Dr. Christopher Beam, Dr. Darby Saxbe, Prof. Paul Lichtenstein, Dr. David Reiss, Dr. Jenae Neiderhiser



Continued from **Thursday, 27 June**

48. Genetic overlap and presence of causal associations between tobacco use and psychotic experiences in adolescents and adults (R)

» [Mr. Wikus Barkhuizen](#), Prof. Angelica Ronald

49. The heritability of behavioral dimensions associated with anxiety and depression.

» [Mr. Harry Smolker](#), Dr. Marie Banich, Dr. John Hewitt, Prof. Naomi Friedman

50. Elucidating mechanisms of familial transmission for general psychopathology: Results from a nuclear twin-family model (R)

» [Ms. Veronica Oro](#), Dr. Carol Van Hulle, Dr. Hill Goldsmith, Dr. Kathryn Lemery-Chalfant

51. A comparison of the ASEBA Adult Self Report (ASR) and the Brief Problem Monitoring (BPM18-59's)

» [Ms. Lianne de Vries](#), Ms. Margot van de Weijer, Dr. Lannie Ligthart, Dr. Dorret Boomsma, Prof. Gonneke Willemsen, Dr. Bart Baselmans, Prof. Meike Bartels

52. Polygenic environmental sensitivity predicts growth in internalizing symptoms in early childhood.

» [Dr. Kathryn Lemery-Chalfant](#), Dr. Kit Elam, Dr. Jenn-Yun Tein, Dr. Sierra Clifford, Ms. Veronica Oro, Ms. Gianna Rea-Sandin, Ms. Chardee Galan, Dr. Melvin Wilson, Dr. Daniel Shaw

53. Polygenic by Intervention Effects on Longitudinal Trajectories of Alcohol Use

» [Dr. Kit Elam](#), Dr. Thao Ha, Dr. Sally Kuo, Dr. Kathryn Lemery-Chalfant, Prof. Danielle Dick

54. Polygenic Indicators of Nicotine and Alcohol Dependence

» Ms. Victoria Risner, Dr. Chelsie Bachman, Ms. Lauren Bertin, [Dr. Rohan Palmer](#)

55. Onset of Regular Cannabis Use & Young Adult Insomnia: An Analysis of Genetic Variation Using a Twin Study (R)

» [Mr. Evan Winiger](#), Mr. Spencer Huggett, Mr. Alexander Hatoum, Prof. Naomi Friedman, Dr. Kenneth Wright, Dr. Christopher Drake, Dr. John Hewitt

56. Adjustments for lifetime and current smoking behaviors yield non-equivalent results in an epigenome-wide association study (R)

» [Ms. Hope Wolf](#), Dr. Timothy York

6pm

PS-6 - Personality/Well-being

Aula Medica

57. Negative Affectivity and Psychopathology Across Preschool: Associations Between Negative Affectivity and Symptoms

» [Ms. Dorothy White](#), Ms. Julia Mancini, Dr. Jody Ganiban, Dr. Kimberly Saudino

58. Identifying Epigenetic Biomarkers of Resilience (R)

» [Ms. Alexandra Vazquez](#), Dr. Shaunna Clark, Dr. Kelly L. Klump, Dr. S. Alexandra Burt

59. The Bivariate Heritability of Personality and Sexual Wellbeing

» [Ms. Kenzhane Pantin](#), Dr. Jaime Derringer

6pm

PS-7 - Developmental disorders

Aula Medica

60. How do neighborhood, familial, and scholastic disadvantage alter the etiology of children's antisocial behavior? (R)

» [Ms. Sarah Carroll](#), Dr. Kelly L. Klump, Dr. S. Alexandra Burt

6pm

PS-5 - Substance use

Aula Medica



Continued from **Thursday, 27 June**

61. Disentangle the bidirectional relationship between ADHD and BMI with different genetically informative approaches (R)

» [Ms. Chaoyu Liu](#), Dr. Jean-Baptiste Pingault, Dr. Tabea Schoeler

62. The genomic basis of mood instability: identification of 46 loci in 363,705 UK Biobank participants, genetic correlation with psychiatric disorders, and association with gene expression and function.

» [Mr. Joey Ward](#), Dr. Elizabeth Tunbridge, Dr. Cynthia Sandor, Dr. Laura Lyall, Ms. Amy Ferguson, Dr. Rona Strawbridge, Dr. Donald Lyall, Dr. Breda Cullen, Dr. Nicholas Graham, Ms. Keira Johnston, Prof. Caleb Webber, Dr. Valentina Escott-Price, Prof. Michael C O'Donovan, Prof. Jill Pell, Dr. Mark Bailey, Prof. Paul Harrison, Prof. Daniel Smith

63. A Genetically Informed Prediction Model for Violent Crime and Intentional Self Harm (R)

» [Ms. Ashley Thompson](#), Ms. Omowonuola Akingbuwa, Prof. Paul Lichtenstein, Dr. Ralf Kuja-Halkola

64. Evidence for shared genetic influences on Attention Deficit Hyperactivity Disorder symptoms and unhealthy dietary habits in adult Swedish twins

» [Ms. LIN LI](#), Dr. Mark Taylor, Prof. Katarina Bälter, Dr. Qi Chen, Dr. Tor-Arne Hegvik, Ms. Ashley Thompson, Dr. Ralf Kuja-Halkola, Dr. Zheng Chang, Dr. Catharina Hartman, Prof. Henrik Larsson

65. Family co-aggregation of asthma and ADHD: a Swedish register-based study (R)

» [Mr. Shihua Sun](#), Dr. Ralf Kuja-Halkola, Dr. Zheng Chang, Dr. Samuele Cortese, Prof. Catarina Almqvist, Prof. Henrik Larsson

66. Investigating the genetic architecture of ADHD and ASD in young adulthood

» [Dr. Lucy Riglin](#), Dr. Beate Leppert, Prof. Kate Tilling, Prof. George Davey Smith, Dr. Evie Stergiakouli, Prof. Anita Thapar

67. The Genetic and Environmental Overlap between Callous-Unemotional Traits and ADHD Symptoms among Five Year Old Twins

» [Ms. Sofi Fröberg](#), Prof. Henrik Larsson, Dr. Catherine Tuvblad

68. Schizophrenia precipitates as dominant inheritance in a pedigree due to accumulation of rare genomic variants including the DUP3p26.3 and DUP16p23.3 duplications (R)

» [Mr. Josep Pol-Fuster](#), Dr. Francesca Cañellas, Ms. Laura Ruiz-Guerra, Ms. Aina Medina-Dols, Ms. Bàrbara Bisbal-Carrió, Dr. Víctor Asensio, Dr. Diego Marzese, Dr. Jerònia Lladó, Dr. Gabriel Olmos, Dr. Damià Heine-Suñer, Dr. Antònia Flaquer, Dr. Cristòfol Vives-Bauzà

69. The genetic and environmental architecture of synesthesia and its association with autism and other psychiatric disorders - A twin study

» Dr. Mark Taylor, Dr. Tessa van Leeuwen, Dr. Ralf Kuja-Halkola, Prof. Sven Bölte, [Dr. Janina Neufeld](#)

70. Evaluating the causal effect of heart rate on antisocial behaviour: A multivariable Mendelian randomization study (R)

» [Ms. Lucy Karwatowska](#), Dr. Tabea Schoeler, Prof. Essi Viding, Dr. Jean-Baptiste Pingault

71. DNA methylation patterns in adolescents and their parents. Is there a link between parent-child relationships and child development? (R)

» [Ms. Viktoria Chubar](#), Mr. Dries Bleys, Prof. Bart Soenens, Prof. Patrick Luyten, Prof. Stephan Claes

72. Genetic and environmental influences on different forms of Bullying Perpetration, Bullying Victimization, and their Co-occurrence

» Mrs. Sabine Veldkamp, Prof. Dorret Boomsma, Dr. Eveline de Zeeuw, Dr. Toos van Beijsterveldt, Prof. Meike Bartels, Prof. Conor Dolan, [Dr. Elsje van Bergen](#)

6pm

**PS-8 -
Gene finding**



Continued from **Thursday, 27 June**

73. CNTN5 genetic variation in Metabolic and Mental Health

» [Dr. Rona Strawbridge](#), Ms. Soddy Sau Yu Leung, Dr. Mark Bailey, Dr. Breda Cullen, Ms. Amy Ferguson, Dr. Nicholas Graham, Ms. Keira Johnston, Dr. Donald Lyall, Dr. Laura Lyall, Dr. Claire Niedzweidz, Dr. Robert Pearsall, Dr. Richard Shaw, Ms. Rachana Tank, Mr. Joey Ward, Prof. Daniel Smith

74. Genetic Factors and Traumatic Events Predicting Hippocampal Volume and PTSD in Children

» [Daniel Bustamante](#), Dr. Michael Neale

76. Assessing the Regulatory Role of DNA Methylation in Early-Onset Major Depression (R)

» [Ms. Eva Lancaster](#), Dr. Timothy York, Dr. Roxann Roberson-Nay

77. Association of different BDNF, COMT, HTR2A and DRD2 genotypes with levels of emotional intelligence and brain activity characteristics in Armenians

» [Dr. Ekaterina Kovsh](#), Dr. Elena Vorobyeva, [Dr. Vladimir Kosonogov](#), Dr. Pavel Ermakov

78. Analysis of the distribution of responses to emotionally-charged pictures among Russians subjects with various combinations of BDNF and COMT polymorphisms

» [Dr. Ekaterina Kovsh](#), Dr. Pavel Ermakov, Dr. Elena Vorobyeva, Dr. Alexander Stoletniy

79. Association of the COMT Val/Val genotype with aggressive behavior in men and women of different ethnic groups living in the South of Russia

» [Dr. Ekaterina Kovsh](#), Dr. Pavel Ermakov, Dr. Elena Vorobyeva, Dr. Semenova Fayzura, Dr. Olga Mikhaylenko, Dr. Irina Abakumova

6pm

**PS-9 -
Neuropsychology**

80. Sparse machine learning model and pathway analysis reveal novel genetic associations with dyslexia

» [Dr. Hope Lancaster](#), Mr. Xiaonan Liu, Dr. Valentin Dinu, Dr. Jing Li

81. The molecular basis of the genetic stability across reading from ages 5 to 15 years

» [Dr. Sara Mascheretti](#), Dr. Diego Forni, Dr. Michel Boivin, Dr. Jean-Philippe Gouin, Dr. Mara Brendgen, Dr. Frank Vitaro, Dr. Cecilia Marino, Dr. Ginette Dionne

82. Investigating the effect of genetic variants for chronotype preference on mood disorder and sleep phenotypes in two population cohorts (R)

» [Ms. Amy Ferguson](#), Dr. Laura Lyall, Mr. Joey Ward, Dr. Breda Cullen, Dr. Nicholas Graham, Ms. Keira Johnston, Dr. Rona Strawbridge, Dr. Mark Bailey, Dr. Donald Lyall, Prof. Daniel Smith

83. The genetic/environmental transmissions and innovations across 8 reading measures from ages 5 to 15 years

» [Dr. Ginette Dionne](#), Dr. Sara Mascheretti, Dr. Jeffrey Henry, Dr. Michel Boivin, Dr. Frank Vitaro, Dr. Mara Brendgen, Dr. Cecilia Marino

Friday, 28 June

9am

**KN-2 -
Plenary II: dr. Tonu Esko - Genomics guided healthcare: Estonian perspective**
Biomedicum 1
Chaired by: Prof. Meike Bartels

10am

Coffee Break

10:30am

**SY-5A -
Characterising shared genetic risks between ADHD and other phenotypes**
Biomedicum 1
Chaired by: Dr. Joanna Martin



Continued from Friday, 28 June

10:30am **Phenotypic, genetic and environmental correlations between diagnosed ADHD, neurodevelopmental, internalizing and externalizing disorders**

» [Dr. Ebba Du Rietz](#), Ms. Laura Ghirardi, Dr. Isabell Brikell, Dr. Catharina Hartman, Prof. Henrik Larsson, Dr. Ralf Kuja-Halkola

10:48am **Investigating sex-specific effects of familial risk for ADHD and other neurodevelopmental disorders in the Swedish population**

» [Dr. Joanna Martin](#), Ms. Laura Ghirardi, Dr. Qi Chen, Dr. Catharina Hartman, Dr. Mina Rosenqvist, Dr. Mark Taylor, Dr. Andreas Birgegard, Prof. Catarina Almqvist, Prof. Paul Lichtenstein, Prof. Henrik Larsson

11:06am **The contribution of ADHD genetic risk to somatic health in late life**

» [Dr. Isabell Brikell](#), Dr. Yi Lu, Dr. Joanna Martin, Prof. Henrik Larsson, Prof. Paul Lichtenstein

11:24am **Genetic correlations between ADHD and phenome-wide latent factors in the UK Biobank**

» [Dr. Caitlin Carey](#), Dr. Rebecca Shafee, Dr. Raymond Walters, Dr. Duncan Palmer, Mr. Liam Abbott, Dr. Daniel Howrigan, Dr. Claire Churchhouse, Dr. Ben Neale, Dr. Elise Robinson

11:42am **Discussion by Ben Neale**

» [Dr. Ben Neale](#)

10:30am **OS-5B - Externalizing Problem and Politics**

Biomedicum 3
Chaired by: Dr. Fleur Meddens

10:30am **The Role of Shared Genes Between Hostile Attribution Bias and Delinquent Behaviors in Preschool Twins**

» [Dr. Lisabeth DiLalla](#)

10:45am **Identifying novel types of irritability using a developmental genetic approach**

» [Dr. Lucy Riglin](#), Dr. Olga Eyre, Dr. Ajay K Thapar, Dr. Argyris Stringaris, Dr. Ellen Leibenluft, Dr. Daniel Pine, Prof. Kate Tilling, Prof. George Davey Smith, Prof. Michael C O'Donovan, Prof. Anita Thapar

11am **A cross-country, cross-reporter twin study of Oppositional Defiant Disorder**

» [Dr. Katrina Grasby](#), Dr. Lucía Colodro-Conde, Mr. José J. Morosoli, Prof. Christel Middeldorp, Dr. Toos van Beijsterveldt, Prof. Dorret Boomsma, Prof. Nicholas Martin, Prof. Meike Bartels, Prof. Sarah Medland

11:15am **Twin study of generalized prejudice**

» [Prof. Denis Bratko](#), Dr. Ana Butkovic, Dr. Jelena Matic Bojic, Dr. Tena Vukasovic Hlupic, Ms. Martina Pocrnic

11:30am **Deconstructing the association between socio-economic indices and political and civil participation in adolescents and young adults: A twin family study**

» [Dr. Alexandra Zapko-Willmes](#)

11:45am **The role of evocative gene-environment correlation in observed negative parenting: Moderation by socioeconomic status (T)**

» [Ms. Veronica Oro](#), Dr. Leah D. Doane, Dr. Kathryn Lemery-Chalfant

10:30am **OS-5C - Well-being**

Biomedicum 4
Chaired by: Dr. Miriam Mosing

10:30am **Neuropsychophysiological correlates of wellbeing using a twin design**

» [Dr. Justine Gatt](#), Ms. Miranda Chilver, Mr. Javad Jamshidi, Mr. Arthur Montalto, Prof. Peter Schofield, Prof. Leanne Williams

10:45am **Pathways to the development of social competence through the parent-youth dyad**

» [Mrs. Amanda Ramos](#), Ms. Elizabeth Shewark, Dr. David Reiss, Dr. Jenae Neiderhiser



Continued from Friday, 28 June

11am **Well-being, Loneliness, and Self Rated Health; What's the Chicken and what's the Egg?**

» [Prof. Meike Bartels](#), Ms. Margot van de Weijer, Dr. Bart Baselmans

11:15am **Genetic factors influencing quantitative measures of subjective and psychological wellbeing using the COMPAS-W scale in a healthy Australian twin cohort (T)**

» [Mr. Javad Jamshidi](#), Mr. Arthur Montalto, Ms. Miranda Chilver, Dr. Claudio Toma, Prof. Peter Schofield, Prof. Leanne Williams, Dr. Janice Fullerton, Dr. Justine Gatt

11:30am **Media and Mental Health: How DNA differences contribute to the good and bad side of online media use (T)**

» [Dr. Ziada Ayorech](#), Prof. Robert Plomin, Prof. Sophie von Stumm

12pm **Lunch/BUSINESS MEETING**

Biomedicum 1

Chaired by: Dr. Jenae Neiderhiser

1:30pm **SY-6A -**

Using various methods to examine genetic and environmental influences on children's cognitive development

Biomedicum 1

Chaired by: Dr. Sara Hart

1:30pm **Longitudinal Effects of Parenting Behaviors on Mathematics Achievement in Middle Childhood**

» [Dr. GIULIA BORRIELLO](#), Mrs. Amanda Ramos, Dr. Andy Field, Dr. Leslie Leve, Dr. Jody Ganiban, Dr. Misaki Natsuaki, Dr. David Reiss, Dr. Daniel Shaw, Dr. Jenae Neiderhiser

1:48pm **Causal influences between ADHD-symptoms and academic skills**

» [Dr. Elsje van Bergen](#), Dr. Kees-Jan Kan, Dr. Sara Hart, Prof. Dorret Boomsma, Dr. Eveline de Zeeuw

2:06pm **Using meta-analysis to answer unique questions about the nature and nurture of reading ability**

» [Dr. Sara Hart](#), Ms. Mia Daucourt, Dr. Callie Little, Dr. Florina Erbeli, Mrs. Rasheda Haughbrook

2:24pm **Navigation and object-based spatial abilities are supported by a common genetic network only partly shared with general intelligence**

» [Dr. Kaili Rimfeld](#), Dr. Margherita Malanchini, Dr. Nicolas Shakeshaft, Dr. Kerry Schofield, Mr. Andrew McMillian, Prof. Philip S. Dale, Prof. Yulia Kovas, Prof. Robert Plomin

2:42pm **Discussion by Chandra Reynolds**

» [Prof. Chandra Reynolds](#)

1:30pm **OS-6B -**

Substance use and abuse

Biomedicum 3

Chaired by: Dr. Rohan Palmer

1:30pm **Developing gene-environment interaction models for smoking initiation with LD score regression**

» [Dr. Brad Verhulst](#), Dr. Elizabeth Prom-Wormley, Dr. Joshua Pritikin, Dr. Michael Neale

1:45pm **Prescription opioid analgesic receipt among adolescents and young adults and subsequent substance abuse**

» [Dr. Patrick Quinn](#), Dr. Martin Rickert, Dr. Katja Boersma, Prof. Paul Lichtenstein, Prof. Henrik Larsson, Prof. Brian D'Onofrio

2pm **A Genetic Epidemiological Mega Study of Smoking Initiation and Quantity in Adolescents**

» [Dr. Hermine Maes](#), Dr. Elizabeth Prom-Wormley, Dr. Lindon Eaves, Dr. Judy Silberg, Dr. Soo Hyun Rhee, Dr. John Hewitt, Dr. Robin Corley, Prof. Matt McGue, Prof. William Iacono, Dr. Lenn Murrelle, Dr. Dorret Boomsma, Prof. Meike Bartels, Prof. Paul Lichtenstein, Dr. Vicky White, Prof. Jaakko Kaprio, Prof. Richard J. Rose, Prof. Danielle Dick, Dr. Michael Neale



Continued from Friday, 28 June

2:15pm **Developmental Patterns of Substance Use: A Longitudinal Twin Study of Risk and Multi-Substance Use**

» [Ms. Stephanie Zellers](#), Dr. Irene Elkins, Prof. William Iacono, Prof. Matt McGue, Dr. Scott Vrieze

2:30pm **Smoking behaviors and cognitive functioning in mid- to late-adulthood: gene-environment interplay (T)**

» [Ms. Shandell Pahlen](#), Dr. William Kremen, Prof. Chandra Reynolds

1:30pm **OS-6C - ADHD**

Biomedicum 4

Chaired by: Dr. Tinca Polderman

1:30pm **Early manifestations of genetic risk for ADHD in Norwegian children**

» [Ms. Ragna Bugge Askeland](#), Dr. Laurie Hannigan, Dr. Helga Ask, Dr. Martin Tesli, Dr. Elizabeth Corfield, Dr. Alexandra Havdahl, Prof. Ted Reichborn-Kjennerud

1:45pm **Geographical gene-environment interaction in ASD and ADHD traits (T)**

» [Ms. Zoe Reed](#), Prof. Henrik Larsson, Dr. Claire Haworth, Mr. Richard Thomas, Mr. Andrew Boyd, Prof. George Davey Smith, Prof. Robert Plomin, Prof. Paul Lichtenstein, Dr. Oliver Davis

2pm **The familial co-aggregation of ADHD and cerebral palsy: a population-based cohort study**

» [Dr. Tor-Arne Hegvik](#), Dr. Ralf Kuja-Halkola, Dr. Qi Chen, Prof. Paul Lichtenstein, Prof. Jan Haavik, Prof. Kari Klungsoyr, Prof. Henrik Larsson

2:15pm **Genetic and environmental contributions to comorbidity between ADHD and emotional problems in school aged children**

» [Dr. Kristin Gustavson](#), Dr. Fartein Ask Torvik, Dr. Line Gjerde, Dr. Helga Ask, Dr. Tom McAdams, Prof. Ted Reichborn-Kjennerud, Dr. Espen Moen Eilertsen, Prof. Eivind Ystrom

2:30pm **Polygenic risk and ADHD developmental course**

» [Dr. Jessica Agnew-Blais](#), Prof. Louise Arseneault, Prof. Cathryn Lewis

2:45pm **Shared polygenetic variation between ASD and ADHD exerts opposite association patterns with educational attainment**

» [Dr. Beate St Pourcain](#), Dr. Jakob Grove, Dr. Chin Yang Shapland, Dr. Ditte Demontis, Dr. Stephen Burgess, Dr. Dheeraj Rai, Prof. Anders Borglum, Ms. Ellen Verhoef

3pm **Tea Break**

3:30pm **SY-7A -**

New insights on the externalizing spectrum from large-scale GWAS

Biomedicum 1

Chaired by: Prof. Philipp D. Koellinger

3:30pm **Studies on Alcohol Dependence Genetics from the US Million Veteran Program**

» [Prof. Joel Gelernter](#), Dr. Renato Polimanti, Dr. Rachel Kember, Dr. Zhongshan Cheng, Dr. Hang Zhou, Dr. Daniel Levey, Dr. Krishnan Radhakrishnan, Dr. Mihaela Aslan, Dr. John Concato, Dr. Murray Stein, Dr. Henry Kranzler, Mx. n/a Department of Veterans Affairs Cooperative Studies Program (#575B), Mx. n/a VA Million Veteran Program

3:48pm **Not all measures of alcohol use and abuse are created equal.**

» [Dr. Toni Clarke](#), Dr. Sandra Sanchez-Roige, Prof. Abraham Palmer, Dr. Pierre Fontanillas, Dr. Sarah Elson, Dr. Mark Adams, Dr. David Howard, Dr. Howard Edenberg, Dr. Gail Davies, Prof. Ian Deary, Prof. Andrew McIntosh

4:06pm **The Externalizing Consortium - Part 1**

» Dr. Richard Karlsson Linner, Mr. Travis Mallard, Dr. Peter Barr, Dr. Sandra Sanchez-Roige, Mr. Andrew Grotzinger, Dr. Ronald de Vlaming, Dr. Elliot Tucker-Drob, Dr. Arpana Agrawal, Dr. Irwin Waldman, Prof. Abraham Palmer, Dr. Paige Harden, [Prof. Philipp D. Koellinger](#), Prof. Danielle Dick



Continued from **Friday, 28 June**

4:24pm **The Externalizing Consortium – Part 2**
 » [Mr. Travis Mallard](#), Dr. Richard Karlsson Linner, Dr. Peter Barr, Dr. Sandra Sanchez-Roige, Mr. Andrew Grotzinger, Dr. Ronald De Vlaming, Dr. Elliot Tucker-Drob, Dr. Arpana Agrawal, Dr. Irwin Waldman, Prof. Abraham Palmer, Dr. Paige Harden, Prof. Philipp D. Koellinger, Prof. Danielle Dick

4:42pm **Discussion by S. Alexandra Burt**
 » [Dr. S. Alexandra Burt](#)

3:30pm **OS-7B - Cognitive Aging**
Biomedicum 3
 Chaired by: Dr. Elsje van Bergen

3:30pm **Polygenic Underpinnings of Learning over 100 Days (T)**
 » [Ms. Cherry Youn](#), Mr. Andrew Grotzinger, Dr. Elliot Tucker-Drob

3:45pm **A genome-wide integrative study of DNA methylation and gene expression on later life cognitive function focusing on intra-pair differences in monozygotic twins**
 » [Dr. Mette Sørensen Thinggaard](#), Ms. Dominika Hozakowska-Roszkowska, Dr. Marianne Nygaard, Dr. Martin J. Larsen, Dr. Veit Schwämmle, Prof. Matt McGue, Prof. Kaare Christensen, Dr. Lene Christiansen, Prof. Qihua Tan

4pm **Midlife Study of the Louisville Twins: Connecting Cognitive Development to Biological and Cognitive Aging**
 » [Dr. Christopher Beam](#), Dr. Eric Turkheimer, Dr. Deborah Finkel, Dr. Morgan Levine, Dr. Ebrahim Zandi, Dr. Thomas Guterbock, Mr. Evan Giangrande, Ms. Lesa Ryan, Dr. Deborah Davis

4:15pm **Does depression in old age reflect prodromal dementia? A polygenic risk score approach**
 » [Dr. Kelli Lehto](#), Dr. Ida Karlsson, Prof. Margaret Gatz, Prof. Nancy L Pedersen

4:30pm **Genes related to education predict frailty among older adults in the United States**
 » [Dr. Brooke Huibregtse](#), Dr. Breanne Newell-Stamper, Dr. Benjamin Domingue, Dr. Jason Boardman

5pm **Break**

5:15pm **The DEBATE**
Biomedicum 1
 Chaired by: Dr. Tinca Polderman and Prof. Meike Bartels

6:15pm **After Debate Drinks**

Saturday, 29 June

9am **Dobzhansky Lecture: Prof. dr. Margaret Gatz - "A Brief History of Alzheimer's Disease"**
Biomedicum 1
 Chaired by: Prof. Nancy L Pedersen

10am **Coffee Break**

10:30am **OS-8A - Statistical methods II**
Biomedicum 1
 Chaired by: Dr. Brad Verhulst

10:30am **Using Mendelian randomization to estimate the causal effect of maternal (intrauterine) exposures on late onset offspring outcomes**
 » [Prof. David Evans](#), Dr. Nicole Warrington, Dr. Gabriel Cuellar Partida, Dr. Daniel Hwang

10:45am **Implications of the Smorgasbord Model**
 » [Prof. Gregory Carey](#)



Continued from **Saturday, 29 June**

- 11am **Five ways to analyze 50,000 pairs of related persons in the National Longitudinal Survey of Youth**
 » [Dr. Michael Hunter](#), Ms. Mason Garrison, Dr. William Beasley, Mr. Patrick O'Keefe, Dr. David Bard, Dr. Joe Rodgers
- 11:15am **Using polygenic scores for unbiased SNP-heritability estimation**
 » [Dr. Ronald de Vlaming](#), Mr. Casper A.P. Burik, Prof. Thomas A. DiPrete, Prof. Philipp D. Koellinger
- 11:30am **Exploring the impact of overlap and first degree relatives on overfitting in polygenic risk score analyses**
 » [Prof. Sarah Medland](#)
- 11:45am **Common and Independent Pathway Models in High-Dimensional Data**
 » [Dr. Eric Turkheimer](#), Dr. Erik Pettersson
- 10:30am **OS-8B - Personality**
Biomedicum 3
 Chaired by: Dr. Ana Butkovic
- 10:30am **The Role of Gene-Environment Interaction in the Etiology of Self-Control (T)**
 » [Ms. Yyouk Willems](#), Prof. Catrin Finkenauer, Prof. Meike Bartels
- 10:45am **A sex limitation model of self-esteem using twin and sib data**
 » [Prof. Rainer Riemann](#)
- 11am **Biological annotations of the Neuroticism general factor, residual group factors, and items**
 » [Ms. Yuri Kim](#), Dr. James Lee

- 11:15am **Exploring sex differences in the genetics of UK Biobank phenotypes**
 » [Dr. Raymond Walters](#), Dr. Michel Nivard, Mr. Matthijs van der Zee, Mr. Nikolas Baya, Dr. Caitlin Carey, Dr. Duncan Palmer, Dr. Karin Verweij, Dr. Ben Neale
- 11:30am **Can you clap to the beat? Findings from the first large-scale genome-wide association study on rhythm**
 » [Dr. Reyna Gordon](#), Dr. Maria Niarchou, Dr. J. Fah Sathirapongsasuti, Dr. Nori Jacoby, Dr. NA 23andme Research Team, Dr. J. Devin McAuley, Mr. Eamonn Bell, Dr. Miriam Mosing, Mr. Peter Straub, Dr. Nicole Creanza, Prof. Fredrik Ullén, Dr. Nancy Cox, Dr. David Hinds, Dr. Lea Davis
- 10:30am **OS-8C - Aging, Health, and Personality**
Biomedicum 4
 Chaired by: Dr. Scott Vrieze
- 10:30am **Neuroticism as a predictor of frailty in old age: a genetically informative approach**
 » [Ms. Hilda Björk Daniëlsdóttir](#), Dr. Juulia Jylhävä, Dr. Sara Hägg, Dr. Yi Lu, Dr. Lucía Colodro-Conde, Prof. Nicholas Martin, Prof. Nancy L Pedersen, Dr. Miriam Mosing, Dr. Kelli Lehto
- 10:45am **Genome-wide association study of a frailty Index in UK Biobank and TwinGene**
 » [Dr. Juulia Jylhävä](#), Dr. Luke Pilling, Dr. Dylan Williams, Dr. Yi Lu, Prof. Nancy L Pedersen, Prof. David Melzer, Dr. Janice Atkins
- 11am **You are Only as Old as You Feel**
 » [Dr. Catalina Zavala](#), Dr. Thalida Arpawong, Dr. Carol Prescott
- 11:15am **10-year epigenetic change: Age-associated CpGs are differentially heritable**
 » [Prof. Chandra Reynolds](#), Prof. Qihua Tan, Dr. Elizabeth Munoz, Dr. Juulia Jylhävä, Prof. Jacob Hjelmberg, Dr. Lene Christiansen, Dr. Sara Hägg, Prof. Nancy L Pedersen



Continued from **Saturday, 29 June**

11:30am

Matching the NLSY-Children and the NLSY97 Respondents and Families: Methodologies and Potential Substantive Studies

» [Dr. Joe Rodgers](#), Mr. Patrick O'Keefe

11:45am

Parenting Gets Under the Skin: Epigenetic Consequences of Harsh Parenting

» [Dr. Candace Lewis](#), Dr. Reagan S. Breitenstein, Dr. Adrienne Henderson, Ms. Hayley Sowards, Dr. Matt Huentelman, Dr. Leah Doane, Dr. Kathryn Lemery-Chalfant

12pm

Lunch/Diversity, Equity, and Inclusion committee meeting

Biomedicum 1

Chaired by: Prof. Valerie Knopik and Dr. Carol Franz and Prof. Danielle Dick

1pm

SY-9A - Depression genetics: next steps in genome-wide and intergenerational transmission analyses

Biomedicum 1

Chaired by: Prof. Thalia Eley

1pm

Depression and Bipolar Disorder PGC analyses

» [Dr. Gerome Breen](#), Dr. Jonathan R.I. Coleman, Dr. Helena Gaspar, Dr. Julien Bryois

1:18pm

Update on Australian Genetics of Depression Study

» [Prof. Nick Martin](#)

1:36pm

The Genetic Links to Anxiety and Depression (GLAD) Study

» [Prof. Thalia Eley](#), Ms. Molly Davies, Dr. Gursharan Kalsi, Dr. Anamaria Brailean, Prof. Anthony J. Cleare, Dr. Jonathan R.I. Coleman, Mr. Charles Curtis, Ms. Susannah C.B. Curzons, Dr. Katrina A.S. Davis, Ms. Megan Hammond-Bennett, Prof. Matthew Hotopf, Dr. Christopher Huebel, Ms. Jennifer Leng, Ms. Bethany D. Mason, Mrs. Monika McAtarsney-Kovacs, Ms. Dina Monssen, Ms. Elisavet Palaiologou, Prof. Carmine Pariante, Ms. Alicia J. Peel, Mr. Henry C. Rogers, Ms. Megan Skelton, Ms. Anna Spaul, Mr. Eddy L.A. Suarez, Ms. Bronte L. Sykes, Prof. Allan H. Young, Dr. Evangelos Vassos, Prof. David Veale, Dr. Jerome Breen

1:54pm

To what extent can passive genetic transmission account for associations between maternal depressive symptoms and child early life psychopathology symptoms?

» [Dr. Line Gjerde](#), Dr. Espen Moen Eilertsen, Dr. Laurie Hannigan, Prof. Thalia Eley, Prof. Espen Røysamb, Prof. Ted Reichborn-Kjennerud, Dr. Frühling Rijdsdijk, Dr. Tom McAdams, Prof. Eivind Ystrom

2:12pm

Discussion by Meike Bartels

» [Prof. Meike Bartels](#)

1pm

OS-9B - IQ and Education

Biomedicum 3

Chaired by: Dr. Kaili Rimfeld

1pm

Gene-Environment Interplay in Associations among IQ, School Achievement, Parental Education, and Personality Trait-Level Alienation

» [Prof. Wendy Johnson](#), Prof. Matt McGue, Prof. William Iacono

1:15pm

Examining the phenotype of parenting via polygenic risk scores for educational attainment

» [Prof. Tim Bates](#)

1:30pm

Month of birth effects on cognitive and psychological outcomes

» [Dr. Adele Wang](#), Dr. Stephanie von Hinke Kessler Scholder



Continued from **Saturday, 29 June**

1:45pm **Discovery of GWAS Variants Underlying Common Executive Function Shows Separability of Cognitive Ability Dimensions and Implications for Health and Wellness (T)**

» [Mr. Alexander Hatoum](#), Ms. Claire Morrison, Ms. Evann Mitchell, Prof. Luke Evans, Prof. Matthew Keller, Prof. Naomi Friedman

2pm **Educational attainment polygenic risk scores predict surface area of cortical regions important for language and memory (T)**

» [Ms. Brittany Mitchell](#), Dr. Gabriel Cuellar Partida, Dr. Katrina Grasby, Prof. Sarah Medland, Dr. Margaret Wright, Prof. Nicholas Martin, Dr. Miguel Renteria

1pm **OS-9C -
Psychopathology**

Biomedicum 4

Chaired by: Dr. Tom McAdams

1pm **Mental health disparities as a mediator of increased risky sexual behaviour in sexual minorities: A twin approach (T)**

» [Dr. Olakunle Oginni](#), Dr. Patrick Jern, Dr. Frühling Rijdsdijk

1:15pm **Internalizing and Externalizing Psychopathology in Middle Age: Genetic and Environmental Architecture and Stability of Symptoms Over 15 to 20 Years**

» [Dr. Daniel Gustavson](#), Dr. Carol Franz, Dr. Matthew Panizzon, Dr. Michael Lyons, Dr. William Kremen

1:30pm **Does Genetic Risk of Insomnia Influence Aggression (T)**

» [Mr. Reece Lavender](#), Mr. Andrea Allegrini, Dr. Koen Bolhuis, Ms. Fiona Hagenbeek, Mr. Teemu Palviainen, Prof. Meike Bartels, Prof. Dorret Boomsma, Dr. Iryna Fedko, Dr. Jouke-Jan Hottenga, Prof. Jaakko Kaprio, Ms. Maria Elisabeth Koopman-Verhoeff, Dr. Tellervo Korhonen, Mr. Sander Lamballais, Dr. Lannie Ligthart, Dr. Kaili Rimfeld, Prof. Henning Tiemeier, Dr. Toos van Beijsterveldt, Dr. Eero Vuoksimaa, Ms. Alyce Whipp, Prof. Nicholas Martin, Dr. Lucía Colodro-Conde, Prof. Sarah Medland

1:45pm **The heritability of fear conditioning as a model for anxiety disorder and treatment response (T)**

» [Ms. Kirstin Purves](#), Dr. Georgina Krebs, Mr. Thomas McGregor, Dr. Elena Constantinou, Dr. Kathryn Lester, Dr. Tom Barry, Dr. Michael Treanor, Mr. Michael Sun, Dr. Juergen Margraf, Prof. Michelle Craske, Dr. Jerome Breen, Prof. Thalia Eley

2pm **Parental Depression and the Longitudinal Synchrony of Parent Ratings of Children's Internalizing and Externalizing Behavior: Novel Findings from an Adoption Study**

» [Dr. Andrew Dismukes](#), Dr. Leslie Leve, Dr. Daniel Shaw, Dr. Jody Ganiban, Dr. David Reiss, Dr. Misaki Natsuaki, Dr. Jenae Neiderhiser

2:15pm **Using genomic structural equation modeling to understand the co-morbidity between anxiety and depression**

» [Dr. Michel Nivard](#), Ms. Yyouk Willems, Mrs. Anne Hendriks

2:30pm **Tea Break**

3pm **OS-10A -
Statistical Methods III**

Biomedicum 1

Chaired by: Dr. Abdel Abdellaoui

3pm **Modelling polygenic and environmental predictors: A systematic approach to gene-environment interactions across complex traits (T)**

» [Mr. Andrea Allegrini](#), Ms. Saskia Selzam, Dr. Kaili Rimfeld, Dr. Jean-Baptiste Pingault, Prof. Robert Plomin

3:15pm **Testing Structural Models of Psychopathology at the Genomic Level**

» [Dr. Irwin Waldman](#)

3:30pm **A Repository of Polygenic Scores**

» [Dr. Aysu Okbay](#), Mr. Joel Becker, Dr. Daniel Benjamin, Mr. Casper A.P. Burik, Dr. David Cesarini, Dr. Patrick Turley



Continued from **Saturday, 29 June**

3:45pm **Modelling Genomic Heterogeneity in Cross-disorder Risk for Psychopathology using Partitioned Genomic Structural Equation Modelling (T)**

» [Mr. Andrew Grotzinger](#), Dr. Jordan Smoller, Dr. Phil Lee, Dr. Michel Nivard, Dr. Elliot Tucker-Drob

4pm **A novel outlook on the conceptualization of behavioral traits: How the field of behavior genetics can benefit from the network approach**

» [Dr. Inga Schwabe](#)

4:15pm **The Genetic Landscape of Human Behavioral Traits: A Cross-Domain Comparison of Heritability, Polygenicity, and Natural Selection Signals (T)**

» [Ms. SEONKYEONG JANG](#), Ms. Mengzhen Liu, Dr. Scott Vrieze

3pm **SY-10B - The Role of Parents in the Development of Emotional and Behavioural Problems in their Children: Genetically Informative Approaches using the Norwegian Mother and Child Cohort Study**

Biomedicum 3

Chaired by: Ms. Yasmin Ahmadzadeh

3pm **Mechanisms linking parental education with symptoms of ADHD and depression in children**

» [Dr. Fartein Ask Torvik](#), Dr. Espen Moen Eilertsen, Dr. Helga Ask, Dr. Kristin Gustavson, Dr. Tom McAdams, Prof. Eivind Ystrom

3:18pm **Intergenerational transmission of parental neuroticism to offspring neuroticism, anxiety, and depression**

» [Dr. Helga Ask](#), Dr. Espen Moen Eilertsen, Dr. Kristin Gustavson, Dr. Tom McAdams, Dr. Fartein Ask Torvik, Prof. John M. Hettema, Prof. Ted Reichborn-Kjennerud, Dr. Line Gjerde, Prof. Eivind Ystrom

3:36pm **Intergenerational Associations between Maternal Internalising and Offspring Temperament During Early Childhood**

» [Ms. Yasmin Ahmadzadeh](#), Dr. Espen Moen Eilertsen, Dr. Laurie Hannigan, Dr. Line Gjerde, Ms. Rosa Cheesman, Prof. Eivind Ystrom, Dr. Tom McAdams

3:54pm **Separating child and parent influences on child emotional problems using genomic family data**

» [Ms. Rosa Cheesman](#), Dr. Espen Moen Eilertsen, Ms. Yasmin Ahmadzadeh, Dr. Line Gjerde, Dr. Laurie Hannigan, Dr. Alexandra Havdahl, Prof. Thalia Eley, Prof. Eivind Ystrom, Dr. Tom McAdams

4:12pm **Discussion by Tom McAdams**

» [Dr. Tom McAdams](#)

3pm **OS-10C - Health**

Biomedicum 4

Chaired by: Dr. Christopher Beam

3pm **Childhood adoption and mental health in adulthood: the role of genetic confounding**

» Dr. Kelli Lehto, Dr. Sara Hägg, Dr. Donghao Lu, Dr. Robert Karlsson, Prof. Nancy L Pedersen, [Dr. Miriam Mosing](#)

3:15pm **Education and lifestyle differences in level of sickness absence - A prospective twin cohort study**

» [Dr. Karoline Seglem](#), Prof. Margarete Vollrath, Prof. Espen Røysamb, Dr. Fartein Torvik, Dr. Ragnhild Ørstavik

3:30pm **The Moderating Role of Early Life Experiences on the Genetic and Environmental Contributions to Objective Sleep in Middle Childhood**

» [Dr. Samantha Miadich](#), Mrs. Gianna Rea-Sandin, Dr. Leah D. Doane, Dr. Mary Davis, Dr. Kathryn Lemery-Chalfant



Continued from **Saturday, 29 June**

- 3:45pm **Twin studies of metabolomics traits and metabo-phenotype associations**
» [Prof. Dorret Boomsma](#), Dr. René Pool, Ms. Fiona Hagenbeek, Prof. Thomas Hankemeier, Prof. Cornelis Kluft, Prof. Vassilios Fanos, Dr. Michel Nivard, Prof. Meike Bartels, Dr. Amy Harms, Prof. Eline Slagboom, Prof. Dorret Boomsma, Prof. ACTION Consortium
- 4pm **Sex differences in genetic regulation of the glucocorticoid response in humans**
» [Dr. Sarah Moore](#), Prof. Elisabeth Binder, Dr. Janine Arloth
- 4:15pm **New insights into the molecular genetic architecture of physical activity from large-scale GWAS**
» [Dr. Fleur Meddens](#), Dr. Ronald de Vlaming, Mr. Travis Mallard, Dr. Carson Chow, Dr. Daniel Benjamin, Prof. Philipp D. Koellinger
- 4:30pm **Executive Committee Meeting II**
MEB
- 7pm **Banquet**
Grand Hôtel