

## MEETING OVERVIEW

Room	P9	P10	P11
	<b>MONDAY June 20</b>		
10:30-12:30	Executive Committee Meeting (invitation only) @ QIMR Berghofer		
9:00-17:00	International Society of Twin Studies Satellite Meeting @ QIMR Berghofer		
18:00-21:00	BGA Welcome Function @ Stokehouse Q in South Bank		
	BGA Scientific Sessions @ the Brisbane Convention and Exhibition Center		
	<b>TUESDAY June 21</b>		
8:45- 9:00	Conference Opening and Acknowledgement of Country		
9:00-10:30	Plenary Talks: David Evans & Naomi Wray		
11:00-12:30	Symposium: WELLBEING Chair: Meike Bartels		Papers: CHILDREN Chair: Thalia Eley
13:30-15:00	Symposium: AGENCY Chair: Eric Turkheimer		Papers: ALCOHOL Chair: Rohan Palmer
15:30-17:00	Papers: ADHD Chair: Valerie Knopik	Papers: FITNESS Chair: Tinca Polderman	Papers: DEPRESSION Chair: Nick Martin
17:30-21:00	Poster Session @ QIMR Berghofer		
	<b>WEDNESDAY June 22</b>		
9:00-10:30	Plenary Talks: Dale Nyholt & Peter Visscher		
11:00-12:30	Symposium: CAUSATION Chair: Michael Neale		Papers: CANNABIS Chair: Nathan Gillespie
12:30-13:30	Business Meeting (during lunch; BGA members only)		
13:30-15:00	Symposium: SNPS Chair: Matt Keller		Papers: ENERGY Chair: Kathryn Lemery
15:30-17:00	Papers: GWAS Chair: Sarah Medland	Papers: EDUCATION Chair: Paul Lichtenstein	Papers: BMI Chair: Jaakko Kaprio
	Free evening		
	<b>THURSDAY June 23</b>		
9:00-10:00	Plenary Talk: Jonathan Flint		
10:30-12:00	Symposium: AGGRESSION Chair: Meike Bartels	Papers: COGNITION Chair: Tim Bates	Papers: NEURO Chair: Bill Kremen
13:00-14:30	Symposium: AGGRESSION Chair: Meike Bartels	Papers: COGNITION II Chair: Will Coventry	Papers: DRUGS Chair: Elizabeth Prom
14:45-15:30	Papers: METHODS Chair: Ben Neale	Papers: SLEEP Chair: John Hewitt	Papers: BG Chair: Danielle Dick
16:00-18:00	Executive Committee Meeting (invitation only)		
18:00-21:00	Reception & BGA Banquet @ the Brisbane City Hall Presidential Address: Jaakko Kaprio		

**MEETING INFORMATION****June 20-23, 2016****Opening Reception**

June 20, 18:00-21:00  
Stokehouse Q in South Bank  
Sidon Street, South Bank QLD 4101

**Conference Sessions**

June 21-23, 9:00-17:00  
Brisbane Convention and Exhibition Center, Plaza Level, Rooms P9, P10 & P11  
Corner of Merivale Street & Glenelg Street, South Brisbane QLD 4101

**Poster Session**

June 21, 18:00-21:00  
QIMR Berghofer  
300 Herston Road, Herston QLD 4006

**Conference Reception, Banquet & Awards Ceremony**

June 23, 18:00-21:00  
Brisbane City Hall  
64 Adelaide St, Brisbane QLD 4000

**Award Eligibility**

T: Thompson award eligible  
R: Rowe award eligible

**Local Host**

Sarah Medland, QIMR Berghofer  
[medlandse@gmail.com](mailto:medlandse@gmail.com)

**Online Program**

<https://genepi.qimr.edu.au/events/bga2016/program.html#>

The BGA respectfully acknowledges the Traditional Owners and Custodians of the Country on which we meet.

**MONDAY June 20****Executive Committee Meeting**

10:30	QIMR Level 6 of Central Building, Meeting Room 1
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**Welcome Reception**

18:00	Stokehouse Q in South Bank
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**TUESDAY June 21****P9-10 Acknowledgement of Country and Opening**

8:45	Welcome to the 2015 BGA Meeting and to Brisbane, Australia QIMR Indigenous Research Manager: Gregory Pratt, BGA President: Jaakko Kaprio; BGA President-Elect: Hermine Maes; BGA Local Host: Sarah Medland
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**P9-10 Plenary Session:  
Sponsored by Illumina**

9:00	New Opportunities For Structural Equation Modelling In The Post Gwas Era
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	David Evans, University of Queensland Diamantina Institute
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9:45	Prospects For Prediction Of Risk For Psychiatric Disorders
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	Naomi Wray, Queensland Brain Institute, University of Queensland
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10:30	<b>Coffee Break</b>
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**P9-10 Symposium: WELLBEING**

Chair: Meike Bartels

11:00	The First Robust Genetic Associations With Subjective Well-Being
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	Meike Bartels, Bart Baselmans, Jonathan Beauchamp, Daniel Benjamin, David Cesarini, Jan-Emmanuel De Neve, Mark Fontana, Richard Karlsson Linner, Philipp Koellinger, Bob Krueger, Fleur Meddens, Michel Nivard, Aysu Okbay, Cornelius Rietveld, Patrick Turley
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11:18	Large-Scale GWAS Meta-Analyses Identify Novel Genetic Loci Robustly Associated With Neuroticism And Depression
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	Aysu Okbay, Bart Baselmans, Jan-Emmanuel De Neve, Patrick Turley, Michel Nivard, Mark Fontana, Fleur Meddens, Richard Karlsson Linner, Cornelius Rietveld Bob Krueger, Jonathan Beauchamp, Philipp Koellinger, Daniel Benjamin, Meike Bartels, David Cesarini
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11:36	Novel Genetic Loci For Neuroticism And Depression Identified Using Subjective Well-Being As A Proxy-Phenotype
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	Philipp Koellinger, Aysu Okbay, Bart Baselmans, Jan-Emmanuel De Neve, Patrick Turley, Michel Nivard, Mark Fontana, Fleur Meddens, Richard Karlsson Linner, Cornelius Rietveld, Bob Krueger, Jonathan Beauchamp, Daniel Benjamin, Meike Bartels, David Cesarini
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11:54	Biological Insights From A Genome Wide Association Study Of Subjective-Wellbeing, Depression, And Neuroticism
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	Fleur Meddens, Aysu Okbay, Bart Baselmans, Jan-Emmanuel De Neve, Patrick Turley, Michel Nivard, Mark Fontana, Richard Karlsson Linner, Cornelius Rietveld, Bob Krueger, Jonathan Beauchamp, Philipp Koellinger, Daniel Benjamin, Meike Bartels, David Cesarini
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12:12	Multivariate GWAS With Life Satisfaction And Positive Affect
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T	Bart Baselmans, Michel Nivard, Patrick Turley, Aysu Okbay, Mark Fontana, Fleur Meddens, Richard Karlsson Linner, Jan-Emmanuel De Neve, Cornelius Rietveld, Bob Krueger, Jonathan Beauchamp, Philipp Koellinger, David Cesarini, Daniel Benjamin, Meike Bartels
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<b>P11 Paper Session: CHILDREN</b> Chair: Thalia Eley	
11:00	Therapygenetics: Using Polygenic Risk Scores For Differential Susceptibility To Predict Response To Psychological Therapy In Child Anxiety Disorders Thalia Eley, Rob Keers, Jonathan Coleman, Kathryn Lester, Susanna Roberts, Gerome Breen, Mikael Thastum, Susan Bogels, Silvia Schneider, Einar Heiervang, Richard Meiser-Stedman, Meike Nauta, Cathy Creswell, Kerstin Thirlwall, Ronald Rapee, Jennifer Hudson, Cathryn Lewis, Robert Plomin
11:15 T	Differences In Maternal And Paternal Ratings Of Psychopathology And The Genetic Epidemiology In 12,000 7-Year Old Twin Pairs Laura Wesseldijk, Iryna Fedko, Meike Bartels, Michel Nivard, Jouke-Jan Hottenga, Catherina van Beijsterveldt, Dorret Boomsma, Christel Middeldorp
11:30 T	Shared Genetic Influences Do Not Explain The Association Between Parent-Child Relationship Quality And Offspring Internalizing Symptoms: Results From A Children-Of-Twins Study Laurie Hannigan, Tom McAdams, Jenae Neiderhiser, Thalia Eley
11:45 T	Whats Parenthood Got To Do With It? The Effect Of Parenthood On Mothers And Fathers Physical And Psychological Health, Moderated By Age, Number Of Children, And SES Diana Dinescu, Eric Turkheimer
12:00 T	The Nature Of Nurture: Education-Associated Single Nucleotide Polymorphisms Explain Variation In Childrens Home Environments And In Their Associations With Child Outcomes Eva Krapohl, Paul O'Reilly, Robert Plomin

**12:30 Lunch**

<b>P9-10 Symposium: AGENCY</b> Chair: Eric Turkheimer	
13:30	Introduction Erik Turkheimer
13:48	The Folk Psychology Of Freedom And The Science Of Human Agency Dominic Murphy
14:06	Using Psychiatric Disorder To Decompose The Structure Of Agency Philip Gerrans
14:24	The Clash Between Genetic Causation And Agency In Lay Understanding Paul Griffiths
14:42	Discussing Genetic Risk In Mental Health Contexts Sarah Medland

<b>P11 Paper Session: ALCOHOL</b> Chair: Rohan Palmer	
13:30	Estimation And Characterization Of The SNP-Heritability Of Alcohol Dependence In Subjects Of European And African Ancestry Rohan Palmer, Leslie Brick, John McGeary, Valerie Knopik
13:45	Friends Alcohol Use Influences At Different Stages Of The Drinking Career: Evidence For Gene-Environment Correlation Arielle Deutsch, Wendy Slutske
14:00 T	Genetic Influences On Negative And Positive Reinforcement Drinking Motives In College Students Jeanne Savage, Bradley Webb, Alexis Edwards, Kenneth Kendler, Danielle Dick
14:15 T	Genetic Analyses On Binge Drinking Subtypes Megan Cooke, Bradley Webb, Alexis Edwards, Kenneth Kendler, Danielle Dick
14:30	Behavioral Sequelae Of High Alcohol Intake Have Independent Effects On Mortality But Quantity Of Alcohol Does Not John B Whitfield, Grant W Montgomery, Pamela AF Madden, Andrew C Heath, Nicholas G Martin

15:00	<b>Coffee Break</b>
<b>P9 Paper Session: ADHD</b> Chair: Valerie Knopik	
15:30	Sex-Specific Genome-Wide Common Variant Analyses Of Attention Deficit Hyperactivity Disorder Joanna Martin, Raymond Walters, Ditte Demontis, Manuel Mattheisen, Hong Lee, Michael O'Donovan, Elise Robinson, Barbara Franke, Anders Borglum, Stephen Faraone, Anita Thapar, Benjamin Neale
15:45 T	Familial Liability Of ADHD And Epilepsy: A Nationwide Cohort Study Isabell Brikell, Ralf Kuja-Halkola, Brian D'Onofrio, Paul Lichtenstein, Henrik Larsson
16:00	Integrating Gwas Of ADHD And Continuous ADHD-Related Traits Raymond Walters, Manuel Mattheisen, Ditte Demontis, Mark Daly, Anders Borglum, Stephen Faraone, Christel Middeldorp, Dorret Boomsma, Benjamin Neale
16:15	Does The Environment Have An Enduring Effect On ADHD? A Longitudinal Study Of Monozygotic Twin Differences In Children Luisa Livingstone, William Coventry, Robin Corley, Erik Willcutt, Stefan Samuelsson, Richard Olson, Brian Byrne
16:30	Within-Family Effects Of Smoking During Pregnancy On ADHD: The Importance Of Phenotype Valerie Knopik, Kristine Marceau, Cinnamon Bidwell, Hollis Karoly, Allison Evans, Alexandre Todorov, Rohan Palmer, Andrew Heath
<b>P10 Paper Session: FITNESS</b> Chair: Tinca Polderman	
15:30 T	Genetic Risk For Psychiatric Disorders And Reproductive Fitness In The General Population Niamh Mullins
15:45 T	GWAS Meta Analysis Of Lifetime Number Of Sexual Partners Brooke Huibregtse, Michael Stallings
16:00	Facial Averageness And Genetic Quality: Testing Heritability, Genetic Correlation With Attractiveness, And The Paternal Age Effect Brendan Zietsch, Anthony Lee, Dorian Mitchem, Margaret Wright, Nick Martin, Matthew Keller
16:15	The Role Of Genes And Environment In Degree Of Partner Self-Similarity James Sherlock, Karin Verweij, Sean Murphy, Andrew Heath, Nicholas Martin, Brendan Zietsch
16:30	Genome-Wide Association Study Of 6,939 Individuals Identifies Five Novel Loci And Suggests That Prenatal Exposure To Testosterone Is Not A Major Determinant Of Individual Differences In 2D:4D Finger Ratio Nicole Warrington, Gibran Hemani, Pirro Hysi, Massimo Mangino, George McMahon, Martha Hickey, Dieter Wolke, Grant Montgomery, Craig Pennell, Tim Spector, Nicholas Martin, Sarah Medland, David Evans
<b>P11 Paper Session: DEPRESSION</b> Chair: Nick Martin	
15:30	Neuroticism And Its Genetic Overlap With Subjective Wellbeing And Related Constructs Michelle Luciano, Bart Baselmans, Saskia Hagenaars, Gail Davies, Sarah Harris, Dorret Boomsma, Ian J. Deary, Alexander Weiss, Meike Bartels
15:45 T	Shared Genetics Of Depression And Fatigue Elizabeth Corfield, Nicholas Martin, Dale Nyholt
16:00	Intergenerational Transmission Of Depression: A Genetically Informed Analysis Of A Swedish Population Sample Tom McAdams, Thalia Eley, Henrik Larsson, Paul Lichtenstein
16:15	Exploring Heterogeneity In Major Depression Divya Mehta, Maciej Trzaskowski, Robert Maier, Naomi Wray
16:30	Genome-Wide Analysis Of Over 106,000 Individuals Identifies 9 Neuroticism-Associated Loci Nick Martin, on behalf of the Neuroticism GWAS Consortium

<b>18:00 Poster Session: Sponsored by QIMR Berghofer</b>	
1	Marital Status And Quality Moderate Specific And Non-Specific Genetic Influences On Alcohol Consumption Jessica Salvatore, Kenneth Kendler
2	Polygenic Risk Score Analysis Of Cigarette Smoking And Snus Use Penelope Lind, Daniel Benjamin, David Cesarini, Magnus Johannesson, Patrik Magnusson, Sarah Medland
3	A Developmental Prediction Of Smoking Behaviors From Polygenic Risk Scores R Bridget Carey, Irene Elkins, William Iacono, Margaret Keys, Matthew McGue
4	Polygenic Risk Scores For Cigarettes Smoked Per Day Do Not Generalize To A Native American Population R Jacqueline Otto, Ian Gizer, Chris Bizon, Kirk Wilhelmsen, Cindy Ehlers
5	Maternal Smoking During Pregnancy And Offspring Behavior I: A Propensity Score Approach Rohan Palmer, Cinnamon Bidwell, Andrew Heath, Leslie Brick, Pamela Madden, Valerie Knopik
6	Maternal Smoking During Pregnancy And Offspring Behavior II: A Propensity Score Approach Rohan Palmer, Cinnamon Bidwell, Andrew Heath, Leslie Brick, Pamela Madden, Valerie Knopik
7	Cannabis And Depression: A Twin Model Approach To Co-Morbidity R Milana Smolkina, Katherine Morley, Arpana Agrawal, Elliot Nelson, Dixie Stratham, Nicholas Martin, Michael Lynskey
8	Genome-Wide Prediction Of Behavioral Disinhibition From Multiple Proxy-Phenotypes R Kathryn Schafer, Jaime Derringer
9	Association Between The Oxytocin Receptor Gene (Oxtr) And Childhood Aggression R Holly Poore, Devon LoParo, Irwin Waldman
10	
11	The Nature Of Covariance Between Temperament Traits And Behavior Problems In Russian Adolescents R Georgy Vasin, Marina Lobaskova, Elena Gindina, Sergey Malykh
12	The Effect Of Stability And Change Of Genetic And Environmental Influences On Internalizing And Externalizing Problems Among Japanese Twins Aged 2 To 7 Years R Mami Tanaka, Masumi Sugawara
13	Is Poor Control Of Fixational Eye Movements An Endophenotype For ADHD Traits? R Erik Pettersson
14	The Familial Co-Aggregation Of Autistic Spectrum Disorder (ASD) And ADHD: A Register-Based Cohort Study R Laura Ghirardi, Isabell Brikell, Ralf Kuja-Halkola, Philip Asherson, Barbara Franke, Paul Lichtenstein, Henrik Larsson
15	Maltreatment-Associated Neurodevelopmental Problems: Environment And Genetics R Lisa Dinkler, Sebastian Lundstrom, Ruchika Gajwani, Paul Lichtenstein, Christopher Gillberg, Helen Minnis
16	Family Cohesion Moderates Genetic And Environmental Influences On Prosocial Behavior In Adolescent Twins R Yoon-Mi Hur, Brett Haberstick, Hoe-Uk Jeong, Matthew McGue, Mark Runco, Andrew Smollen, Jeanette Taylor
17	Putting The Diathesis In Diathesis-Stress: Personality, Social Stress, And Depression R Jason Scicchitano, Jaime Derringer
18	Self-Control And Academic Performance: A Multivariate Genetic Analysis R Yusuke Takahashi, Shinji Yamagata, Juko Ando
19	Do Executive Functioning And Impulsivity Predict Overlapping Variation In Problem Behaviors? R Alexander Hatoum, Daniel Gustavson, Soo Rhee, Robin Corley, John Hewitt, Naomi Friedman
20	Heritability Of Neuroanatomical Properties Supporting Executive Function R Harry Smolker
21	Genetic And Environmental Aetiology Of The Relationships Between Intelligence And Executive Functions R Ivan Voronin, Victoria Ismatullina, Iliia Zakharov, Aleksandra Belova, Anna Budakova
22	Genetic Overlap Between Executive Functioning And School Readiness In 4-Year-Old Twin Pairs R Lauren Micalizzi, Jody Ganiban, Kimberly Saudino

18:00	<b>Poster Session: Sponsored by QIMR Berghofer</b>
23 R	Perceived Loneliness As A Contextual Moderator Of The Etiology Of Cognitive Functioning Dianna Phillips, Chandra Reynolds, for the IGEMS Consortium
24	Exposure To Freeway-Related Pollutants And Cortical Thinning In Adolescents Yaling Yang, Laura Baker, Eric Kan, Meredith Franklin, Diana Younan, Fred Lurmann, Jiu-Chiuan Chen
25	The Relationship Between Iq And Pm2.5. Findings From The U Of Southern California Twin Study Laura Baker, Catherine Tuvblad, Pan Wang, Diana Younan, Meredith Franklin, Fred Lurmann, Jun Wu, Jiu-Chiuan Chen
26	Genome-Wide Association Analysis Identifies Multiple Variants Associated With Cognitive Ability And Visual Perception Ozren Polasek, Ajka Relja, Ivana Kolcic, Caroline Hayward, Gordan Lauc, Igor Rudan, Zoran Djogas, Mirko Drenovac
27 R	Visual Pattern Recognition Memory And Intelligence: Multivariate Twin Model Iliia Zakharov, Victoria Ismatullina, Ivan Voronin, Sergey Malykh
28	Differential Etiology Of Reading Ability Based On Family History Of Reading Difficulties Sara Hart, Jeanette Taylor
29	Genetic And Environmental Factors Of The Relationship Between Temperament And Planning Ability In Adolescents Victoria Ismatullina, Ivan Voronin
30 R	Subjective Wellbeing And Longevity: A Replication Study In Discordant Twin Pairs Gretchen Saunders, Matthew McGue, Kaare Christensen, Irene Elkins
31	The Developmental, Physiological, And Evolutionary Underpinnings Of Female Homosexuality Severi Luoto
32	A Twin-Family Study Of Social Closeness Toward Nieces And Nephews Nancy Segal, Sevim Mollova, William Marelich, Kathleen Preston
33	DNA Methylation Differences In A Racially Diverse Pregnant Population Dana Lapato, Jerome Strauss, Tim York
34	Sex-Related Individual Differences In Dna Methylation In Monozygotic Twin Pairs Mikio Watanabe, Chika Honda, Osaka Twin Research Group, Yoshinori Iwatani
35	Exploiting Cis And Trans Eqtl To Investigate Epistasis Gabriel Cuellar
36 R	Mixed Models For Ordinal Outcomes In Twin And Sibling Studies With High-Dimensional Covariate Spaces Amanda Gentry, Kellie Archer
37	Examining Skin And Gut Microbiome Profiles In A Sample Of Siblings Reared Together Vs. Apart: Design And Feasibility Considerations Leslie Leve, William Cresko, Nicolae Morar, Brendan Bohannon
38	Are Epigenetic Factors Implicated In Chronic Widespread Pain? Andrea Burri, Zoya Marinova, Mark D. Robinson, Brigitte Kühnel, Gregory Livshits, Frances Williams
39	Genetic And Environmental Influences On The Behaviors In Adolescents -A Twin Study FU Yixiao, ZHU Wenfen, HOU Yixiao, DENG Wei, LI Tao
40	Twins Methods Quantitatively Explore The Impact Of Genetic To Children And Adolescents Brain Gray Matter Volume FU Yixiao

**WEDNESDAY June 22****P9-10 Plenary Session:****Sponsored by Illumina****9:00** Post-Gwas Approaches: What's Hot

Dale Nyholt, Queensland University of Technology

**9:45** From Galton To The Genome: Estimation And Dissection Of Quantitative Trait Genetic Variation

Peter Visscher, Queensland Brain Institute, University of Queensland

**10:30 Coffee Break****P9-10 Symposium: CAUSATION**

Chair: Michael Neale

**11:00** Causality In Twin Models

Brad Verhulst

**11:20** Umx Scripts For Twin Research

Timothy Bates, Hermine Maes, Michael Neale

**11:40** Perspective On Causal Analysis Methods

Michael Neale

**12:00** Mendelian Randomization In The Classical Twin Design

Camelia C. Minica, Conor V. Dolan, Dorret I Boomsma, Eco de Geus/ Michael C. Neale

**P11 Paper Session: CANNABIS**

Chair: Nathan Gillespie

**11:00** Testing Genetic and Environmental Associations between Personality Disorders and Substance Use

Nathan A Gillespie

**11:15** Quasi-Causal Associations Between The Age Of Cannabis Initiation And Symptoms Of Substance Use

Leah Richmond-Rakerd, Wendy Slutske, Michael Lynskey, Arpana Agrawal, Pamela Madden, Kathleen Bucholz, Andrew Heath, Nicholas Martin

**11:30** The Association Between Marijuana Use And Depression

Kerri Woodward, Madeline Fritz, Robin Corley, Naomi Friedman, John Hewitt, Soo Rhee

**11:45** Whole Genome Sequence Study Of Cannabis Dependence: Associations With Regulatory Elements Identified By The Roadmap Epigenomics Project

Ian Gizer, Chris Bizon, David Gilder, Kirk Wilhelmsen, Cindy Ehlers

**12:00** Associations Between Childhood Trauma Exposure And Cannabis Involvement In An Adolescent Female Twin Sample

Julia Grant, Carolyn Sartor, Kimberly Werner, Michael Lynskey, Kathleen Bucholz, Pamela Madden, Andrew Heath, Arpana Agrawal

**12:30 Business Meeting & Lunch****P9-10 Symposium: SNPS**

Chair: Matt Keller

**13:30** Genes For Good: An Online Framework For Behavioral Genetic Research At Scale

Scott Vrieze

**13:50** Challenges Of Scale In Genetic Analysis

Benjamin Neale

**14:10** Multivariate Genetic Risk Scores Increase Risk Prediction Accuracy For A Wide Range Of Traits

Robert Maier

**14:30** Effects Of Assortative Mating On Estimates Of SNP Heritability

Matthew Keller, Teresa de Candia



**P11 Paper Session: ENERGY**

Chair: Kathryn Lemery-Chalfant

13:30	Parental Reports Of Infant And Child Eating Behaviors Are Not Affected By Their Beliefs About Their Twins Zygosity T	Moritz Herle, Alison Fildes, Fruhling Rijdsdijk, Clare Llewellyn
13:45	Gwas Of Bitter Taste Perception In Australian Adolescents	Liang-Dar Hwang, Danielle Reed, Paul Breslin, Gu Zhu, Nicholas Martin, Margaret Wright
14:00	Activity Level: More Than Simple Motor Activity	Alexis Frazier-Wood, Kimberly Saudino
14:15	Twins In Space: Mz Twins Discordant For Space Travel	Brinda Rana
14:30	Age-Moderation Of Genetic And Environmental Contributions To Cognitive Functioning In Mid- And Late-Life For Specific Cognitive Abilities	Shandell Pahlen, Matthew McGue

**15:00 Coffee Break****P9 Paper Session: GWAS**

Chair: Sarah Medland

15:30	Enigma-EEG: GWAS Of Brain Function	Dirk Smit, Steve Malone, Scott Burwell, Eco de Geus, Derrek Hibar, Paul Thompson, Dorret Boomsma, Nicholas Martin, Sarah Medland, Bernice Porjesz, William Iacono
15:45	A GWAS Of Cognitive Impairment As A Side Effect Of Cytotoxic Therapy	Geoffrey Beadle, David Duffy, Margaret Wright
16:00	First Results From The Enigma3 Cortical And DTI GWAS Meta-Analyses	Sarah Medland for the Enhancing Neuro Imaging Genetics through Meta-Analysis (ENIGMA) Consortium
16:15	Power Of Multivariate GWAS: Real Case Scenarios Using Brain Phenotypes From MRI	Baptiste Couvy-Duchesne, Lachlan Strike, Narelle Hansell, Nicholas Martin, Katie McMahon, Greig de Zubicaray, Paul Thompson, Margaret Wright
16:30	Investigating Genetic Aetiology Of Atopic Dermatitis In Uk Biobank	Lavinia Paternoster

**P10 Paper Session: EDUCATION**

Chair: Paul Lichtenstein

15:30	Epigenetic Profiling Of Educational Attainment	Richard Karlsson Linner, Cornelius Rietveld, David Cesarini, Daniel Benjamin, Ian Deary, Philipp Koellinger, Riccardo Marioni
15:45	Predicting Educational Achievement From DNA T	Saskia Selzam, Robert Plomin
16:00	Genetic Influence On Educational Attainment And Occupational Status During And After The Soviet Era In Estonia T	Kaili Rimfeld, Maciej Trzaskowski, Tonu Esko, Andres Metspalu, Robert Plomin
16:15	Getting Around The Limited-Availability Of Nuclear-Twin-Family Data: A Meta-Analysis Of The Genetic Architecture Of Educational Attainment With The Nuclear-Twin-Family Design	William Coventry, Connie Barroso, Sara Hart
16:30	Genes, Environments, And Gambling In The United States: 1962 Versus 2002	Wendy Slutske

<b>P11 Paper Session: BMI</b>	
Chair: Jaakko Kaprio	
<b>15:30</b>	Parental Transmission Of The Body Mass Index (BMI) In Children And Adolescents: A Panel Study For Mexico Alma Sobrevilla
<b>15:45</b>	The Genome-Wide Influence On Human BMI Depends On Physical Activity, Life-Course, And Historical Period Guang Guo
<b>16:00</b>	Genetic Interactions May Partially Explain The Still-Missing Heritability Of Human Height And BMI Ronald de Vlaming, Cornelius Rietveld
<b>16:15</b>	Role Of Depressive Symptoms And Stressors In FTO Genetic And Epigenetic Variation In Association With Body Composition Through Childhood And Adolescence: A Pilot Study Sarah Cohen-Woods, Richard Saffery, Tracey Air, Rohan M. Telford, Lisa S. Olive, Julia M. Potter, Peter E. Hickman <sup>5</sup> , Walter P. Abhayaratna, Donald G. Byrne, Richard D. Telford
<b>16:30</b>	Using Mendelian Randomization To Investigate A Possible Causal Relationship Between Adiposity And Increased Bone Mineral Density At Different Skeletal Sites In Children John Kemp, Adrian Sayers, George Davey Smith, Jonathan Tobias, David Evans

**THURSDAY June 23****P9-10 Plenary Session:  
Sponsored by the Ian Potter Foundation**

**9:00** Genome -Wide Association Of Multiple Complex Traits In Outbred Mice By Ultra Low-Coverage  
Jonathan Flint, UCLA

**10:00 Coffee Break****P9 Symposium: AGGRESSION  
Chair: Meike Bartels**

- 10:30** A Cross-Cultural Comparison Of The Longitudinal Heritability Of Childhood Aggression  
Robert Porsch, Christel Middeldorp, Stacey Cherny, Eva Krapohl, Catherina van Beijsterveldt, Anu Loukola, Tellervo Korhonen, Lea Pulkkinen, Robin Corley, Soo Rhee, Jaakko Kaprio, Richard Rose, John Hewitt, Pak Sham, Robert Plomin, Dorret
- 10:50** Aggression And Academic Achievement In Adolescence, Genetic And Environmental Effects And The Role Of Direct Versus Indirect Aggression  
Eero Vuoksimaa, Richard Rose, Lea Pulkkinen, Jaakko Kaprio
- 11:10** Heritability Of Different Aggression Phenotypes In An Australian And A Dutch Cohort  
Lucia Colodro Conde, Nicholas Martin, Peter Hatemi, Dorret Boomsma, Christel Middeldorp, Toos van Beijsterveldt, Meike Bartels, Sarah Medland
- 11:30** A Dynamic Systems Model Of Presynaptic Serotonergic Functioning: Further Validation, Additional Serotonin Genes And Association With Children's Behavioral Impulsivity  
Charles Beekman, Kathryn Lemery-Chalfant, Sierra Clifford, Hill Goldsmith

**P10 Paper Session: COGNITION  
Chair: Tim Bates**

- 10:30** Socioeconomic Status And Genetic Influence On Cognitive Development: Evidence From Florida  
Jeremy Freese, David Figlio, Krzysztof Karbownik, Jeffrey Roth
- 10:45** A Study Of Gene Expression In The Ageing Human Brain  
Adith Mohan, Anbupalam Thalamuthu, Cynthia Weickert, Karen Mather, Perminder Sachdev
- 11:00** Cognitive Resilience In Aging: Effects Of Gene Candidates And Education In A Nationally Representative Sample Of Older Adults  
Thalida Arpawong, John McArdle, Carol Prescott

**P11 Paper Session: NEURO  
Chair: William Kremen**

- 10:30** Genetics Of Task-Evoked Pupil Response: A Novel Biomarker For MCI And Alzheimers Disease  
William Kremen, Carol Franz, Eric Granholm, Richard Hauger, Michael Lyons, Matthew Panizzon
- 10:45** Can Mendelian Randomization Inform Drug Development Research For Neurobehavioural Conditions? A Study Of Alzheimers Disease  
Marie-Jo Brion, Beben Benyamin, George Davey Smith, John McGrath, David Evans
- 11:00** Maternal Infection During Pregnancy And Risk For Offspring Autism: A Sibling-Comparison Study  
Brian D'Onofrio, Quetzal Class, Martin Rickert, Anna Oberg, Ylva Ginsberg, Catarina Almqvist, Henrik Larsson, Paul
- 11:15** Trait-Specific Patterns Of Common Genetic Factors Influence Social Communication Difficulties And ADHD Symptoms During Development  
Beate St Pourcain, Lindon J Eaves, David M Evans, Simon E Fisher, Gregory Carey, George Davey Smith
- 11:30** Are Neurodevelopmental Disorders Etiologically Linked With Mania And Depression? Evidence From A Twin Study  
Mark Taylor, Sebastian Lundstrom, Paul Lichtenstein

12:30	<b>Lunch</b>
<b>P9 Symposium: AGGRESSION II</b> Chair: Meike Bartels	
13:00	Gene-Based Analyses Of GWAS Data On Aggressive And Non-Aggressive Conduct Disorder Symptoms In Two Samples Of African- And European-Americans Irwin Waldman, Devon LoParo, Joshua Weinstock, Fazil Aliev, Jessica Salvatore, Henry Kranzler, Lindsay Farrer, Danielle Dick,
13:20	Genome-Wide Pleiotropy Of Adult Aggression And Blood Plasma Metabolites T Fiona Hagenbeek, Michel Nivard, Rene Pool, Jenny van Dongen, Jouke-Jan Hottenga, Abdel Abdellaoui, Gonneke Willemsen, Jacqueline Vink, Lannie Ligthart, Amy Harms, Thomas Hankemeier, Meike Bartels, Dorret Boomsma
13:40	Epigenome-Wide Association Study Meta-Analysis Of Aggressive Behavior Jenny van Dongen, Khadeeja Ismail, Rosa Mulder, Bart Baselmans, Michel Nivard, Rick Jansen, Lannie Ligthart, Miina Ollikainen, Eero Vuoksima, Henning Tiemeier, Jaakko Kaprio, Meike Bartels, Dorret Boomsma
14:00	Multivariate And Repeated Measure GWAS Of Aggression Phenotypes Michel Nivard, Christel Middeldorp, Jouke-Jan Hottenga, Iryna Fedko, Erik Ehli, Gareth Davies, Catherina van Beijsterveldt, Meike Bartels, Dorret Boomsma

<b>P10 Paper Session: COGNITION II</b> Chair: Will Coventry	
13:00	White Matter Hyperintensities Have A Strong Genetic Influence Perminder Sachdev, Anbupalam Thalamuthu, Karen Mather, David Ames, Margaret Wright, Wei Wen
13:15	Genetic And Environmental Influences On Verbal Ability In Older Adults: Findings From The Older Australian Twins Study Teresa Lee, Anbu Thalamuthu, Jocelyn Bowden, David Ames, Margie Wright, Perminder Sachdev
13:30	Genetic Covariation Among Hippocampal Subfields Narelle Hansell, Lachlan Strike, Katie McMahon, Nicholas Martin, Greig de Zubicaray, Paul Thompson, Margaret Wright
13:45	Testing Sex Moderated Genetic And Environmental Influences On Longitudinal Growth Of Literacy And Numeracy Katrina Grasby, William Coventry

<b>P11 Paper Session: DRUGS</b> Chair: Elizabeth Prom-Wormley	
13:00	A Whole Methylome Study In Brain And Blood Of DbA/2J(D2) Mice After Acute And Repeated Ethanol Injections Shaunna Clark, Blair Costin, Robin Chan, Linying Xie, Jessica Jurmain, Gaurav Kumar, Andrey Shabalin, Ashutosh Pandey, Karolina Aberg, Michael Miles, Edwin van den Oord
13:15	The Speed Of Progression To Alcohol & Tobacco Dependence: A Genetically Informed Twin Design T Spencer Huggett, Alexander Hatoum, John Hewitt, Robin Corley, Michael Stallings
13:30	The Genetic And Environmental Contributions On Smoking Cessation In Young Adults Elizabeth Prom-Wormley, Hermine Maes, Michael Neale, Kenneth Kendler, Judy L. Silberg, Lindon J. Eaves, Donna Miles, Lenn Murrelle, Soo Rhee, Robin Corley, John Hewitt, Susan Young, Matt McGue, Bill Iacono, Lisa Legrand, Di Samek, Martine Thomis, Gaston P. Beunen, Dorret Boomsma, Meike Bartels, Jacqueline Vink, Jaakko Kaprio, Richard Rose, Paul Lichtenstein, Victoria White, Nicholas G. Martin
13:45	Investigating The Familial Transmission Of Substance Use With A Children-Of-Twins Design Jorien Treur, Dorret Boomsma, Gonneke Willemsen, Jacqueline Vink
14:00	Genetic Association Between Addictive Behaviours And Conduct Disorder Karin Verweij, Abdel Abdellaoui, Lannie Ligthart, Camelia Minica, Jouke-Jan Hottenga, Dorret Boomsma, Jacqueline Vink

14:30	<b>Coffee Break</b>
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<b>P9 Paper Session: METHODS</b>	
Chair: Ben Neale	

14:45	Detecting Parent Of Origin Effects Using GREML Of Transmitted Genotypes Charles Laurin, Gibran Hemani, David Evans
15:00	Simulation Results From Structural Equation Modeling With Genomic-Relatedness Matrices In Openmx Robert Kirkpatrick, Michael Neale
15:15	LD Hub And MR-Base: Online Platforms For Performing LD Score Regression And Mendelian Randomization Analysis Using GWAS Summary Data Jie Zheng, Philip Haycock, Gibran Hemani, Benjamin Elsworth, Hashem Shihab, Charles Laurin, Mesut Erzurumluoglu, Laurence Howe, Kaitlin Wade, Nicole Warrington, Hilary Finucane, Alkes Price, Verneri Anttila, Lavinia Paternoster, Richard Martin, Caroline Relton, Tom Gaunt, George Davey Smith, Benjamin Neale, David Evans

<b>P10 Paper Session: SLEEP</b>	
Chair: John Hewitt	

14:45	Sleep Quality And Psychological Distress. Genetic And Environmental Relationships Juan Ordonana, Juan Madrid-Valero, Jose Morosoli, Lucia Colodro, Eduvigis Carrillo, Jose Martinez-Selva
15:00	The Genetics Of Sleep Behaviour Enda Byrne
15:15 T	Genetic And Environmental Associations Between Procrastination And Internalizing/Externalizing Problems Daniel Gustavson, Alta du Pont, Soo Rhee, Robin Corley, John Hewitt, Naomi Friedman

<b>P11 Paper Session: BG</b>	
Chair: Danielle Dick	

14:45	What Does Reproducibility Look Like In Behavioral Genetics? Sara Hart, Callie Little, Christopher Schatschneider
15:00	Communicating Genetics Simone Cross
15:15	Behavior Genetics: What's The Endgame? Danielle Dick

<b>Executive Committee Meeting</b>	
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16:00	Brisbane Convention and Exhibition Center P11
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<b>Reception, Banquet, Presidential Address &amp; Awards</b>	
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18:00	Brisbane City Hall
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