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<th>Room</th>
<th>P9</th>
<th>P10</th>
<th>P11</th>
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<tr>
<td><strong>MONDAY June 20</strong></td>
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<tr>
<td>10:30-12:30</td>
<td>Executive Committee Meeting (invitation only) @ QIMR Berghofer</td>
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<tr>
<td>9:00-17:00</td>
<td>International Society of Twin Studies Satellite Meeting @ QIMR Berghofer</td>
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<tr>
<td>18:00-21:00</td>
<td>BGA Welcome Function @ Stokehouse Q in South Bank</td>
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BGA Scientific Sessions @ the Brisbane Convention and Exhibition Center

| **TUESDAY June 21** | | | |
| 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 | | |

| **WEDNESDAY June 22** | | | |
| 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 | | | |

| **THURSDAY June 23** | | | |
| 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 II  
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

<table>
<thead>
<tr>
<th>June 20-23, 2016</th>
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</thead>
<tbody>
<tr>
<td><strong>Opening Reception</strong></td>
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<tr>
<td>June 20, 18:00-21:00</td>
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<tr>
<td>Stokehouse Q in South Bank</td>
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<td>Sidon Street, South Bank QLD 4101</td>
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<tr>
<td><strong>Conference Sessions</strong></td>
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<tr>
<td>June 21-23, 9:00-17:00</td>
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<tr>
<td>Brisbane Convention and Exhibition Center, Plaza Level, Rooms P9, P10 &amp; P11</td>
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<tr>
<td>Corner of Merivale Street &amp; Glenelg Street, South Brisbane QLD 4101</td>
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<tr>
<td><strong>Poster Session</strong></td>
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<tr>
<td>June 21, 18:00-21:00</td>
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<tr>
<td>QIMR Berghofer</td>
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<tr>
<td>300 Herston Road, Herston QLD 4006</td>
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<tr>
<td><strong>Conference Reception, Banquet &amp; Awards Ceremony</strong></td>
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<tr>
<td>June 23, 18:00-21:00</td>
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<td>Brisbane City Hall</td>
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<td>64 Adelaide St, Brisbane QLD 4000</td>
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<td><strong>Award Eligibility</strong></td>
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<td>T: Thompson award eligible</td>
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<td>R: Rowe award eligible</td>
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<tr>
<td><strong>Local Host</strong></td>
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<tr>
<td>Sarah Medland, QIMR Berghofer</td>
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<td><a href="mailto:medlandse@gmail.com">medlandse@gmail.com</a></td>
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<tr>
<td><strong>Online Program</strong></td>
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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

**Welcome Reception**

18:00 | Stokehouse Q in South Bank

### 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

**P9-10 Plenary Session: Sponsored by Illumina**

9:00 | New Opportunities For Structural Equation Modelling In The Post Gwas Era

David Evans, University of Queensland Diamantina Institute

9:45 | Prospects For Prediction Of Risk For Psychiatric Disorders

Naomi Wray, Queensland Brain Institute, University of Queensland

10:30 | Coffee Break

**P9-10 Symposium: WELLBEING**

Chair: Meike Bartels

11:00 | The First Robust Genetic Associations With Subjective Well-Being

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

11:18 | Large-Scale GWAS Meta-Analyses Identify Novel Genetic Loci Robustly Associated With Neuroticism And Depression

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

11:36 | Novel Genetic Loci For Neuroticism And Depression Identified Using Subjective Well-Being As A Proxy-Phenotype

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

11:54 | Biological Insights From A Genome Wide Association Study Of Subjective-Wellbeing, Depression, And Neuroticism

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

12:12 | Multivariate GWAS With Life Satisfaction And Positive Affect

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
### P11 Paper Session: CHILDREN
Chair: Thalia Eley

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>11:00</td>
<td>Therapygenetics: Using Polygenic Risk Scores For Differential Susceptibility To Predict Response To Psychological Therapy In Child Anxiety Disorders</td>
<td>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</td>
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<tr>
<td>11:15</td>
<td>Differences In Maternal And Paternal Ratings Of Psychopathology And The Genetic Epidemiology In 12,000 7-Year Old Twin Pairs</td>
<td>Laura Wesseldijk, Iryna Fedko, Meike Bartels, Michel Nivard, Jouke-Jan Hottenga, Catherina van Beijsterveldt, Dorret Boomsma, Christel Middeldorp</td>
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<tr>
<td>11:30</td>
<td>Shared Genetic Influences Do Not Explain The Association Between Parent-Child Relationship Quality And Offspring Internalizing Symptoms: Results From A Children-Of-Twins Study</td>
<td>Laurie Hannigan, Tom McAdams, Jenae Neiderhiser, Thalia Eley</td>
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<tr>
<td>11:45</td>
<td>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</td>
<td>Diana Dinescu, Eric Turkheimer</td>
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<tr>
<td>12:00</td>
<td>The Nature Of Nurture: Education-Associated Single Nucleotide Polymorphisms Explain Variation In Childrens Home Environments And In Their Associations With Child Outcomes</td>
<td>Eva Krapohl, Paul O'Relly, Robert Plomin</td>
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#### Lunch

### P9-10 Symposium: AGENCY
Chair: Eric Turkheimer

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<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>13:30</td>
<td>Introduction</td>
<td>Erik Turkheimer</td>
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<tr>
<td>13:48</td>
<td>The Folk Psychology Of Freedom And The Science Of Human Agency</td>
<td>Dominic Murphy</td>
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<td>14:06</td>
<td>Using Psychiatric Disorder To Decompose The Structure Of Agency</td>
<td>Philip Gerrans</td>
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<td>14:24</td>
<td>The Clash Between Genetic Causation And Agency In Lay Understanding</td>
<td>Paul Griffiths</td>
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<td>14:42</td>
<td>Discussing Genetic Risk In Mental Health Contexts</td>
<td>Sarah Medland</td>
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### P11 Paper Session: ALCOHOL
Chair: Rohan Palmer

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<th>Time</th>
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<tbody>
<tr>
<td>13:30</td>
<td>Estimation And Characterization Of The SNP-Heritability Of Alcohol Dependence In Subjects Of European And African Ancestry</td>
<td>Rohan Palmer, Leslie Brick, John McGeeary, Valerie Knopik</td>
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<td>13:45</td>
<td>Friends Alcohol Use Influences At Different Stages Of The Drinking Career: Evidence For Gene-Environment Correlation</td>
<td>Arielle Deutsch, Wendy Slutske</td>
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<td>14:00</td>
<td>Genetic Influences On Negative And Positive Reinforcement Drinking Motives In College Students</td>
<td>Jeanne Savage, Bradley Webb, Alexis Edwards, Kenneth Kendler, Danielle Dick</td>
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<td>14:30</td>
<td>Behavioral Sequelae Of High Alcohol Intake Have Independent Effects On Mortality But Quantity Of Alcohol Does Not</td>
<td>John B Whitfield, Grant W Montgomery, Pamela AF Madden, Andrew C Heath, Nicholas G Martin</td>
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<tr>
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<td>15:00</td>
<td><strong>Coffee Break</strong></td>
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<td>15:30</td>
<td><strong>P9 Paper Session: ADHD</strong></td>
<td>Valerie Knopik</td>
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<td>15:45</td>
<td>familial Liability Of ADHD And Epilepsy: A Nationwide Cohort Study</td>
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<td>16:00</td>
<td>Integrating Gwas Of ADHD And Continuous ADHD-Related Traits</td>
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<td>16:15</td>
<td>Does The Environment Have An Enduring Effect On ADHD? A Longitudinal Study Of Monozygotic Twin Differences In Children</td>
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<td>16:30</td>
<td>Within-Family Effects Of Smoking During Pregnancy On ADHD: The Importance Of Phenotype</td>
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<td>15:30</td>
<td><strong>P10 Paper Session: FITNESS</strong></td>
<td>Tinca Polderman</td>
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<tr>
<td>15:45</td>
<td>GWAS Meta Analysis Of Lifetime Number Of Sexual Partners</td>
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<td>16:00</td>
<td>Facial Averageness And Genetic Quality: Testing Heritability, Genetic Correlation With Attractiveness, And The Paternal Age Effect</td>
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<td>16:15</td>
<td>The Role Of Genes And Environment In Degree Of Partner Self-Similarity</td>
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<td>16:30</td>
<td>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</td>
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<td>15:30</td>
<td><strong>P11 Paper Session: DEPRESSION</strong></td>
<td>Nick Martin</td>
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<td>15:45</td>
<td>Shared Genetics Of Depression And Fatigue</td>
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<td>16:00</td>
<td>Intergenerational Transmission Of Depression: A Genetically Informed Analysis Of A Swedish Population Sample</td>
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<td>16:15</td>
<td>Exploring Heterogeneity In Major Depression</td>
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<tr>
<td>16:30</td>
<td>Genome-Wide Analysis Of Over 106,000 Individuals Identifies 9 Neuroticism-Associated Loci</td>
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| 18:00 | **Poster Session:**
Sponsored by QIMR Berghofer |
|-------|--------------------------------------------------|
| 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  
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  
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  
Valerie Knopik, Cinnamon Bidwell, Rohan Palmer, Leslie Brick, Pamela Madden, Andrew Heath |
| 7 | Cannabis And Depression: A Twin Model Approach To Co-Morbidity  
Milana Smolikina, Katherine Morley, Arpana Agrawal, Elliot Nelson, Dixie Stratham, Nicholas Martin, Michael Lynskey |
| 8 | Genome-Wide Prediction Of Behavioral Disinhibition From Multiple Proxy-Phenotypes  
Kathryn Schafer, Jaime Derringer |
| 9 | Association Between The Oxytocin Receptor Gene (Oxtr) And Childhood Aggression  
Holly Poore, Devon LoParo, Irwin Waldman |
| 10 |  |
| 11 | The Nature Of Covariance Between Temperament Traits And Behavior Problems In Russian Adolescents  
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  
Mami Tanaka, Masumi Sugawara |
| 13 | Is Poor Control Of Fixational Eye Movements An Endophenotype For ADHD Traits?  
Erik Pettersson |
| 14 | The Familial Co-Aggregation Of Autistic Spectrum Disorder (ASD) And ADHD: A Register-Based Cohort Study  
Laura Ghirardi, Isabella Briell, Ralf Kuja-Halkola, Philip Asherson,, Barbara Franke, Paul Lichtenstein, Henrik Larsson |
| 15 | Maltreatment-Associated Neurodevelopmental Problems: Environment And Genetics  
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  
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  
Jason Scicchitano, Jaime Derringer |
| 18 | Self-Control And Academic Performance: A Multivariate Genetic Analysis  
Yusuke Takahashi, Shinji Yamagata, Juko Ando |
| 19 | Do Executive Functioning And Impulsivity Predict Overlapping Variation In Problem Behaviors?  
Alexander Hatoum, Daniel Gustavson, Soo Rhee, Robin Corley, John Hewitt, Naomi Friedman |
| 20 | Heritability Of Neuroanatomical Properties Supporting Executive Function  
Harry Smolker |
| 21 | Genetic And Environmental Aetiology Of The Relationships Between Intelligence And Executive Functions  
Ivan Voronin, Victoria Ismatullina, Ilia Zakharov, Aleksandra Belova, Anna Budakova |
| 22 | Genetic Overlap Between Executive Functioning And School Readiness In 4-Year-Old Twin Pairs  
Lauren Micalizzi, Jody Ganiban, Kimberly Saudino |
<table>
<thead>
<tr>
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<th>Title</th>
<th>Authors</th>
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<tr>
<td>23</td>
<td>Perceived Loneliness As A Contextual Moderator Of The Etiology Of Cognitive Functioning</td>
<td>Dianna Phillips, Chandra Reynolds, for the IGEMS Consortium</td>
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<td>24</td>
<td>Exposure To Freeway-Related Pollutants And Cortical Thinning In Adolescents</td>
<td>Yaling Yang, Laura Baker, Eric Kan, Meredith Franklin, Diana Younan, Fred Lurmann, Jiu-Chuan Chen</td>
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<tr>
<td>25</td>
<td>The Relationship Between Iq And Pm2.5.  Findings From The U Of Southern California Twin Study</td>
<td>Laura Baker, Catherine Tuvblad, Pan Wang, Diana Younan, Meredith Franklin, Fred Lurmann, Jun Wu, Jiu-Chuan Chen</td>
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<td>26</td>
<td>Genome-Wide Association Analysis Identifies Multiple Variants Associated With Cognitive Ability And Visual Perception</td>
<td>Ozren Polasek, Ajka Relja, Ivana Kolcic, Caroline Hayward, Gordan Lauc, Igor Rudan, Zoran Djogas, Mirko Drenovac</td>
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<td>27</td>
<td>Visual Pattern Recognition Memory And Intelligence: Multivariate Twin Model</td>
<td>Iliya Zakharov, Victoria Ismatullina, Ivan Voronin, Sergey Malyykh</td>
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<td>28</td>
<td>Differential Etiology Of Reading Ability Based On Family History Of Reading Difficulties</td>
<td>Sara Hart, Jeanette Taylor</td>
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<td>29</td>
<td>Genetic And Environmental Factors Of The Relationship Between Temperament And Planning Ability In Adolescents</td>
<td>Victoria Ismatullina, Ivan Voronin</td>
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<td>30</td>
<td>Subjective Wellbeing And Longevity: A Replication Study In Discordant Twin Pairs</td>
<td>Gretchen Saunders, Matthew McGue, Kaare Christensen, Irene Elkins</td>
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<tr>
<td>31</td>
<td>The Developmental, Physiological, And Evolutionary Underpinnings Of Female Homosexuality</td>
<td>Severi Luoto</td>
</tr>
<tr>
<td>32</td>
<td>A Twin-Family Study Of Social Closeness Toward Nieces And Nephews</td>
<td>Nancy Segal, Sevim Mollova, William Marelich, Kathleen Preston</td>
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<td>33</td>
<td>DNA Methylation Differences In A Racially Diverse Pregnant Population</td>
<td>Dana Lapato, Jerome Strauss, Tim York</td>
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<td>34</td>
<td>Sex-Related Individual Differences In Dna Methylation In Monozygotic Twin Pairs</td>
<td>Mikio Watanabe, Chika Honda, Osaka Twin Research Group, Yoshinori Iwatani</td>
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<tr>
<td>35</td>
<td>Exploiting Cis And Trans Eqtl To Investigate Epistasis</td>
<td>Gabriel Cuellar</td>
</tr>
<tr>
<td>36</td>
<td>Mixed Models For Ordinal Outcomes In Twin And Sibling Studies With High-Dimensional Covariate Spaces</td>
<td>Amanda Gentry, Kellie Archer</td>
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<td>37</td>
<td>Examining Skin And Gut Microbiome Profiles In A Sample Of Siblings Reared Together Vs. Apart: Design And Feasibility Considerations</td>
<td>Leslie Leve, William Cresko, Nicole Morar, Brendan Bohannan</td>
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<td>38</td>
<td>Are Epigenetic Factors Implicated In Chronic Widespread Pain?</td>
<td>Andrea Burri, Zoya Marinova, Mark D. Robinson, Brigitte Kühnel, Gregory Livshits, Frances Williams</td>
</tr>
<tr>
<td>39</td>
<td>Genetic And Environmental Influences On The Behaviors In Adolescents -A Twin Study</td>
<td>FU Yixiao, ZHU Wenfen, HOU Yixiao, DENG Wei, Li Tao</td>
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<td>40</td>
<td>Twins Methods Quantitatively Explore The Impact Of Genetic To Children And Adolescents Brain Gray Matter Volume</td>
<td>FU Yixiao</td>
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<tr>
<td>Time</td>
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<td>Speaker(s)</td>
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<tr>
<td>9:00</td>
<td>Plenary Session: Sponsored by Illumina</td>
<td>Dale Nyholt, Queensland University of Technology</td>
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<td></td>
<td>Post-Gwas Approaches: What’s Hot</td>
<td>Peter Visscher, Queensland Brain Institute, University of Queensland</td>
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<td>9:45</td>
<td>From Galton To The Genome: Estimation And Dissection Of Quantitative Trait Genetic Variation</td>
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<td>10:30</td>
<td>Coffee Break</td>
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<td>11:00</td>
<td>Symposium: CAUSATION</td>
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<td></td>
<td>Chair: Michael Neale</td>
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<tr>
<td></td>
<td>Causality In Twin Models</td>
<td>Brad Verhulst</td>
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<td>11:20</td>
<td>Umx Scripts For Twin Research</td>
<td>Timothy Bates, Hermine Maes, Michael Neale</td>
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<td>11:40</td>
<td>Perspective On Causal Analysis Methods</td>
<td>Michael Neale</td>
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<td>12:00</td>
<td>Mendelian Randomization In The Classical Twin Design</td>
<td>Camelia C. Minica, Conor V. Dolan, Dorret I Boomsma, Eco de Geus/ Michael C. Neale</td>
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<td>13:30</td>
<td>Symposium: SNPS</td>
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<td>Chair: Matt Keller</td>
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<td>13:30</td>
<td>Genes For Good: An Online Framework For Behavioral Genetic Research At Scale</td>
<td>Scott Vrieze</td>
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<tr>
<td>13:50</td>
<td>Challenges Of Scale In Genetic Analysis</td>
<td>Benjamin Neale</td>
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<tr>
<td>14:10</td>
<td>Multivariate Genetic Risk Scores Increase Risk Prediction Accuracy For A Wide Range Of Traits</td>
<td>Robert Maier</td>
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<td>14:30</td>
<td>Effects Of Assortative Mating On Estimates Of SNP Heritability</td>
<td>Matthew Keller, Teresa de Candia</td>
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**P11 Paper Session: CANNABIS**

Chair: Nathan Gillespie

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>11:00</td>
<td>Testing Genetic and Environmental Associations between Personality Disorders and Substance Use</td>
<td>Nathan A Gillespie</td>
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<tr>
<td>11:15</td>
<td>Quasi-Causal Associations Between The Age Of Cannabis Initiation And Symptoms Of Substance Use</td>
<td>Leah Richmond-Rakerd, Wendy Slutske, Michael Lynskey, Arpna Agrawal, Pamela Madden, Kathleen Bucholz, Andrew Heath, Nicholas Martin</td>
</tr>
<tr>
<td>11:30</td>
<td>The Association Between Marijuana Use And Depression</td>
<td>Kerri Woodward, Madeline Fritz, Robin Corley, Naomi Friedman, John Hewitt, Soo Rhee</td>
</tr>
<tr>
<td>11:45</td>
<td>Whole Genome Sequence Study Of Cannabis Dependence: Associations With Regulatory Elements Identified By The Roadmap Epigenomics Project</td>
<td>Ian Gizer, Chris Bizon, David Gilder, Kirk Wilhelmsen, Cindy Ehlers</td>
</tr>
<tr>
<td>12:00</td>
<td>Associations Between Childhood Trauma Exposure And Cannabis Involvement In An Adolescent Female Twin Sample</td>
<td>Julia Grant, Carolyn Sartor, Kimberly Werner, Michael Lynskey, Kathleen Bucholz, Pamela Madden, Andrew Heath, Arpna Agrawal</td>
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**P9-10 Symposium: SNPS**

Chair: Matt Keller

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<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>13:30</td>
<td>Genes For Good: An Online Framework For Behavioral Genetic Research At Scale</td>
<td>Scott Vrieze</td>
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<tr>
<td>13:50</td>
<td>Challenges Of Scale In Genetic Analysis</td>
<td>Benjamin Neale</td>
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<tr>
<td>14:10</td>
<td>Multivariate Genetic Risk Scores Increase Risk Prediction Accuracy For A Wide Range Of Traits</td>
<td>Robert Maier</td>
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<tr>
<td>14:30</td>
<td>Effects Of Assortative Mating On Estimates Of SNP Heritability</td>
<td>Matthew Keller, Teresa de Candia</td>
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12:30 Business Meeting & Lunch
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
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</thead>
<tbody>
<tr>
<td>13:30</td>
<td>P11 Paper Session:</td>
<td>Parental Reports Of Infant And Child Eating Behaviors Are Not Affected By Their Beliefs About Their Twins Zygosity</td>
<td>Moritz Herle, Alison Fildes, Fruhling Rijsdijk, Clare Llewellyn</td>
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<tr>
<td>13:45</td>
<td></td>
<td>Gwas Of Bitter Taste Perception In Australian Adolescents</td>
<td>Liang-Dar Hwang, Danielle Reed, Paul Breslin, Gu Zhu, Nicholas Martin, Margaret Wright</td>
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<tr>
<td>14:00</td>
<td></td>
<td>Activity Level: More Than Simple Motor Activity</td>
<td>Alexis Frazier-Wood, Kimberly Saudino</td>
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<td>14:15</td>
<td></td>
<td>Twins In Space: Mz Twins Discordant For Space Travel</td>
<td>Brinda Rana</td>
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<tr>
<td>14:30</td>
<td></td>
<td>Age-Moderation Of Genetic And Environmental Contributions To Cognitive Functioning In Mid- And Late-Life For Specific Cognitive Abilities</td>
<td>Shandell Pahlen, Matthew McGue</td>
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<td>15:00</td>
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<td>Coffee Break</td>
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<td>15:45</td>
<td></td>
<td>A GWAS Of Cognitive Impairment As A Side Effect Of Cytotoxic Therapy</td>
<td>Geoffrey Beadle, David Duffy, Margaret Wright</td>
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<tr>
<td>16:00</td>
<td></td>
<td>First Results From The Enigma3 Cortical And DTI GWAS Meta-Analyses</td>
<td>Sarah Medland for the Enhancing Neuro Imaging Genetics through Meta-Analysis (ENIGMA) Consortium</td>
</tr>
<tr>
<td>16:15</td>
<td></td>
<td>Power Of Multivariate GWAS: Real Case Scenarios Using Brain Phenotypes From MRI</td>
<td>Baptiste Couvy-Duchesne, Lachlan Strike, Narelle Hansell, Nicholas Martin, Katie McMahon, Greig de Zubicaray, Paul Thompson, Margaret Wright</td>
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<td>16:30</td>
<td></td>
<td>Investigating Genetic Aetiology Of Atopic Dermatitis In Uk Biobank</td>
<td>Lavinia Paternoster</td>
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<tr>
<td>15:30</td>
<td>P10 Paper Session:</td>
<td>Epigenetic Profiling Of Educational Attainment</td>
<td>Richard Karlsson Linner, Cornelius Rietveld, David Cesarini, Daniel Benjamin, Ian Deary, Philipp Koellinger, Riccardo Marioni</td>
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<tr>
<td>15:45</td>
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<td>Predicting Educational Achievement From DNA</td>
<td>Saskia Selzam, Robert Plomin</td>
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<td>16:00</td>
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<td>Genetic Influence On Educational Attainment And Occupational Status During And After The Soviet Era In Estonia</td>
<td>Kaili Rimfeld, Maciej Trzaskowski, Tonu Esko, Andres Metspalu, Robert Plomin</td>
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<tr>
<td>16:30</td>
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<td>Genes, Environments, And Gambling In The United States: 1962 Versus 2002</td>
<td>Wendy Slutske</td>
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<tr>
<td>Time</td>
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<td>15:30</td>
<td>Parental Transmission Of The Body Mass Index (BMI) In Children And Adolescents: A Panel Study For Mexico</td>
<td>Alma Sobrevilla</td>
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<td>15:45</td>
<td>The Genome-Wide Influence On Human BMI Depends On Physical Activity, Life-Course, And Historical Period</td>
<td>Guang Guo</td>
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<td>16:00</td>
<td>Genetic Interactions May Partially Explain The Still-Missing Heritability Of Human Height And BMI</td>
<td>Ronald de Vlaming, Cornelius Rietveld</td>
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<tr>
<td>16:30</td>
<td>Using Mendelian Randomization To Investigate A Possible Causal Relationship Between Adiposity And Increased Bone Mineral Density At Different Skeletal Sites In Children</td>
<td>John Kemp, Adrian Sayers, George Davey Smith, Jonathan Tobias, David Evans</td>
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<td>Time</td>
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<tr>
<td>9:00</td>
<td>Plenary Session: Sponsored by the Ian Potter Foundation</td>
<td>Genome-Wide Association Of Multiple Complex Traits In Outbred Mice By Ultra Low-Coverage</td>
<td>Jonathan Flint, UCLA</td>
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<td>10:00</td>
<td>Coffee Break</td>
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<td>10:50</td>
<td></td>
<td>Aggression And Academic Achievement In Adolescence, Genetic And Environmental Effects And The Role Of Direct Versus Indirect Aggression</td>
<td>Eero Vuoksimaa, Richard Rose, Lea Pulkkinen, Jaakko Kaprio</td>
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<td>11:10</td>
<td></td>
<td>Heritability Of Different Aggression Phenotypes In An Australian And A Dutch Cohort</td>
<td>Lucia Colodro Conde, Nicholas Martin, Peter Hatermi, Dorret Boomsma, Christel Middeldorp, Toos van Beijsterveldt, Meike Bartels, Sarah Medland</td>
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<td>11:30</td>
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<td>A Dynamic Systems Model Of Presynaptic Serotonergic Functioning: Further Validation, Additional Serotonin Genes And Association With Children’S Behavioral Impulsivity</td>
<td>Charles Beekman, Kathyrn Lemery-Chalfant, Sierra Clifford, Hill Goldsmith</td>
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<tr>
<td>10:30</td>
<td>Paper Session: COGNITION  Chair: Tim Bates</td>
<td>Socioeconomic Status And Genetic Influence On Cognitive Development: Evidence From Florida</td>
<td>Jeremy Freese, David Figlio, Krzysztof Karbownik, Jeffrey Roth</td>
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<td>10:45</td>
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<td>A Study Of Gene Expression In The Ageing Human Brain</td>
<td>Adith Mohan, Anupalam Thalamuthu, Cynthia Weickert, Karen Mather, Perminder Sachdev</td>
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<td>11:00</td>
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<td>Cognitive Resilience In Aging: Effects Of Gene Candidates And Education In A Nationally Representative Sample Of Older Adults</td>
<td>Thalida Arpawong, John McArdle, Carol Prescott</td>
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<tr>
<td>10:30</td>
<td>Paper Session: NEURO  Chair: William Kremen</td>
<td>Genetics Of Task-Evoked Pupil Response: A Novel Biomarker For MCI And Alzheimers Disease</td>
<td>William Kremen, Carol Franz, Eric Granholm, Richard Hauger, Michael Lyons, Matthew Panizzon</td>
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<tr>
<td>10:45</td>
<td></td>
<td>Can Mendelian Randomization Inform Drug Development Research For Neurobehavioural Conditions? A Study Of Alzheimers Disease</td>
<td>Marie-Jo Brion, Beben Benyamin, George Davey Smith, John McGrath, David Evans</td>
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<td>11:00</td>
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<td>Maternal Infection During Pregnancy And Risk For Offspring Autism: A Sibling-Comparison Study</td>
<td>Brian D’Onofrio, Quetzal Class, Martin Rickert, Anna Oberg, Yiya Ginsberg, Catarina Almqvist, Henrik Larsson, Paul</td>
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<td>11:15</td>
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<td>Trait-Specific Patterns Of Common Genetic Factors Influence Social Communication Difficulties And ADHD Symptoms During Development</td>
<td>Beate St Pourcain, Lindon J Eaves, David M Evans, Simon E Fisher, Gregory Carey, George Davey Smith</td>
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<tr>
<td>11:30</td>
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<td>Are Neurodevelopmental Disorders Etiologically Linked With Mania And Depression? Evidence From A Twin Study</td>
<td>Mark Taylor, Sebastian Lundstrom, Paul Lichtenstein</td>
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### Symposium: AGGRESSION II
**Chair:** Meike Bartels

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
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</thead>
<tbody>
<tr>
<td>13:00</td>
<td>Gene-Based Analyses Of GWAS Data On Aggressive And Non-Aggressive Conduct Disorder Symptoms In Two Samples Of African- And European-Americans</td>
<td>Irwin Waldman, Devon LoParo, Joshua Weinstock, Fazil Aliev, Jessica Salvatore, Henry Kranzler, Lindsay Farrer, Danielle Dick,</td>
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<tr>
<td>14:00</td>
<td>Multivariate And Repeated Measure GWAS Of Aggression Phenotypes</td>
<td>Michel Nivard, Christel Middeldorp, Jouke-Jan Hottenga, Iryna Fedko, Erik Ehli, Gareth Davies, Catherina van Beijsterveldt, Meike Bartels, Dorret Boomsma</td>
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### Paper Session: COGNITION II
**Chair:** Will Coventry

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

<table>
<thead>
<tr>
<th>Time</th>
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<th>Presenters</th>
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<tbody>
<tr>
<td>13:00</td>
<td>A Whole Methylome Study In Brain And Blood Of Dba/2J(D2) Mice After Acute And Repeated Ethanol Injections</td>
<td>Shauna Clark, Blair Costin, Robin Chan, Lining Xie, Jessica Jurmain, Gaurav Kumar, Andrey Shabalin, Ashutosh Pandey, Karolina Aberg, Michael Miles, Edwin van den Oord</td>
</tr>
<tr>
<td>14:00</td>
<td>Genetic Association Between Addictive Behaviours And Conduct Disorder</td>
<td>Karin Verweij, Abdel Abdellaoui, Lannie Ligthart, Camelia Minica, Jouke-Jan Hottenga, Dorret Boomsma, Jacqueline Vink</td>
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**Behavior Genetics Association**

2016

Brisbane, Australia

12:30 **Lunch**
### P9 Paper Session: METHODS
**Chair: Ben Neale**

<table>
<thead>
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<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>14:45</td>
<td>Detecting Parent Of Origin Effects Using GREML Of Transmitted Genotypes</td>
<td>Charles Laurin, Gibran Hemani, David Evans</td>
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<tr>
<td>15:00</td>
<td>Simulation Results From Structural Equation Modeling With Genomic-Relatedness Matrices In Openmx</td>
<td>Robert Kirkpatrick, Michael Neale</td>
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### P10 Paper Session: SLEEP
**Chair: John Hewitt**

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<tr>
<td>14:45</td>
<td>Sleep Quality And Psychological Distress: Genetic And Environmental Relationships</td>
<td>Juan Ordonana, Juan Madrid-Valero, Jose Morosoli, Lucia Colodro, Eduvigis Carrillo, Jose Martinez-Selva</td>
</tr>
<tr>
<td>15:00</td>
<td>The Genetics Of Sleep Behaviour</td>
<td>Enda Byrne</td>
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<tr>
<td>15:15</td>
<td>Genetic And Environmental Associations Between Procrastination And Internalizing/Externalizing Problems</td>
<td>Daniel Gustavson, Alta du Pont, Soo Rhee, Robin Corley, John Hewitt, Naomi Friedman</td>
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### P11 Paper Session: BG
**Chair: Danielle Dick**

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<tr>
<td>14:45</td>
<td>What Does Reproducibility Look Like In Behavioral Genetics?</td>
<td>Sara Hart, Callie Little, Christopher Schatschneider</td>
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<tr>
<td>15:00</td>
<td>Communicating Genetics</td>
<td>Simone Cross</td>
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<tr>
<td>15:15</td>
<td>Behavior Genetics: What’s The Endgame?</td>
<td>Danielle Dick</td>
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### Executive Committee Meeting

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>16:00</td>
<td>Brisbane Convention and Exhibition Center P11</td>
</tr>
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### Reception, Banquet, Presidential Address & Awards

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>18:00</td>
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