

Awardees

Year	Dobzhansky	Thompson	Fulker	Fuller/Scott	Rowe
1977	Steven Vandenberg	Nancy Galvin			
1978	Elliott Slater	Gregory Carey			
1979	Ernst Caspari	Marla Sokolowski			
1980	Benson Ginsburg				
1981	Sheldon Reed	Michael Pogue-Geile			
1982	Gardner Lindzey	Paul Sharp			
1983	Peter Broadhurst	Michael Neale			
1984	Leonard Heston	Christine Michard & George Vogler			
1985	Nikki Erlenmeyer-Kimling	Dorret Boomsma & Lucinda Miner			
1986	Raymond Cattell	David Harder			
1987	J L Fuller & J P Scott	J. S. de Belle			
1988	Lee Erhman	Joanne Meyer			
1989	Gerald McClearn	Susan Parlour			
1990	Irving Gottesman	Lon Cardon & Philip Welbergen			
1991	John Loehlin	Abel Bult & Lawrence Rodriguez			
1992	John DeFries	Deborah Finkel			
1993	Peter Parsons	Hermine Maes			
1994	Aubrey Manning	Frans Sluyter			
1995	David Fulker	Soo Hyun Rhee & Stephen Petrill			
1996		Stephanie Schmitz			
1997	Ronald Johnson	Martine Thomis			
1998	Stephen Maxson	Javier Gayán & Alexander Weiss			
1999	Lindon Eaves	Danielle Dick & Danielle Posthuma			
2000	Pierre Roubertoux	Brian D'Onofrio & Nathan Gillespie	Mark Siegal & Daniel Hartl		
2001	Tom Bouchard	Shaun Purcell	Lon Cardon & Goncalo Abecasis		
2002	Robert Plomin	Meike Bartels & Michael Galsworthy	Sathees Chandra et al.		
2003	Norman Henderson	Arpana Agrawal	Edwin van den Oord & Harold Snieder		

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2004	Sandra Scarr	Jennifer Lau	Nathan Gillespie et al.	Frank Spinath	
2005	Nick Martin	Heather Gelhorn	Norman Henderson et al.	Danielle Posthuma	
2006	Jerry Hirsch	David Bard & Angelica Ronald	Michael Galsworthy et al.	Danielle Dick	
2007	Richard Rose	Jane Mendle & Paige Harden	Carol Prescott et al.	Valerie Knopik	
2008	John Hewitt	Marleen de Moor & Kees Jan Kan	Danielle Dick et al.	Meike Bartels	
2009	David Blizard	Thomas Frisell	Douglas Matthews et al.	Alexandra Burt	
2010	Andrew Heath	Ben Neale, Jaime Derringer & Lannie Ligthart	Jonas Olofsson et al.	Arpana Agrawal	
2011	Matt McGue	Roseann Peterson & Claire Coyne	Matthew Keller et al.	Sarah Medland & Brian D'Onofrio	
2012	Kenneth Kendler	Scott Vrieze	Brian Hicks et al.	Matt Keller & Christel Middeldorp	
2013	Dorret Boomsma	Jenny van Dongen & Maciej Trzaskowski	Mark Adams et al.	Henrik Larsson	Stéphane Paquin

Previous meetings

Year	President-Elect	Local Host
1971		R Osborne/B Ginsburg - Storrs, CT, USA
1972	Th. Dobzhansky	GE McClearn - Boulder, CO, USA
1973	John Fuller	WS Pollitzer -Chapel Hill, NC, USA
1974	Gerald McClearn	S Scarr - Minneapolis, MN, USA
1975	J. P. Scott	J Bruell -Austin, TX, USA
1976	Irving Gottesman	JC DeFries - Boulder, CO, USA
1977	W. R. Thompson	R Wilson - Louisville, KY, USA
1978	Lee Ehrman	T Klein - Davis, CA, USA
1979	Elving Anderson	C Lynch - Middletown, CT, USA
1980	John Loehlin	RD Bock - Chicago, IL, USA
1981	Norm Henderson	L Erhman - Purchase, NY, USA, Rose/Guttman/Guttman -Jerusalem, Israel
1982	John DeFries	D Nash -Ft Collins, CO, USA
1983	David Fulker	D Fulker - London, UK
1984	Steven Vandenberg	R Rose -Bloomington, IN, USA
1985	Sandra Scarr	G McClearn – State College, PA, USA
1986	Ronald Wilson	G Ashton/R Johnson - Honolulu, HI, USA
1987	Peter Parsons	L Heston -Minneapolis, MN, USA
1988	Leonard Heston	S Kerbusch -Nijmegen, the Netherlands
1989	Robert Plomin	S Scarr - Charlottesville, VA, USA
1990	Carol Lynch	P Roubertoux - Aussois, France
1991	Lindon Eaves	G Vogler - St Louis, MO, USA
1992	David Blizard	J Wilson - Boulder, CO, USA
1993	Tom Bouchard	N Martin -Sydney, Australia
1994	Gladye Whitney	A Fernandez Teruel/RM Escorihuela/A Tobena – Barcelona, Spain
1995	James Wilson	J Meyer/L Eaves -Richmond, VA, USA
1996	Nicholas Martin	G McClearn/G Vogler/D Blizard/B Jones – Pittsburgh, PA, USA
1997	Nicholas Martin	T Vernon -Toronto, Canada
1998	Norm Henderson	N Pedersen - Stockholm, Sweden
1999	Richard Rose	K Jang - Vancouver, Canada
2000	John Hewitt	J Hudziak - Burlington, VT, USA
2001	Matt McGue	T Eley - Cambridge, UK

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2002	Nancy Pedersen	M Wamboldt -Keystone, CO, USA
2003	Andrew Heath	A Heath - Chicago, IL, USA
2004	Michèle Carlier	P Roubertoux/M Carlier - Aix-en-Provence, France
2005	Hill Goldsmith	C Reynolds / L Baker - Hollywood, CA, USA
2006	Laura Baker	S Maxson - Storrs, CT, USA
2007	Pierre Roubertoux	D Boomsma - Amsterdam, The Netherlands
2008	Dorret Boomsma	D Finkel - Louisville, KY USA
2009	Michael Neale	M McGue - Minneapolis, USA
2010	Irwin Waldman	Y-M Hur- Seoul, Korea
2011	Michael Pogue-Geile	V Knopik – Newport, RI, USA
2012	Eric Turkheimer	T Bates – Edinburgh, Scotland
2013	Carol Prescott	Michèle Carlier and Pierre Roubertoux – Marseille, France

Wednesday June 18

7:00-10:00	<p style="text-align: center;">Opening reception</p> <p style="text-align: center;"><i>Reception supported by the Aston-Gottesman Fund</i></p>	<p style="text-align: center;">Jefferson Theater</p>
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Thursday June 19

8:00-5:00	<p style="text-align: center;">Registration</p>	<p style="text-align: center;">Omni Lobby</p>
8:00-8:45	<p style="text-align: center;">Coffee and light breakfast</p>	<p style="text-align: center;">PFA</p>
8:45-9:00	<p>Welcome to 2014 BGA Meeting and Charlottesville, Virginia</p> <p>BGA President: Carol Prescott</p> <p>President Elect and Program Chair: Paul Lichtenstein</p> <p>Local Host: Eric Turkheimer</p>	<p style="text-align: center;">ABC</p>
9:00-10:00	<p>Plenary session: Dobzhansky Lecture</p> <p>by 2013 Dobzhansky Awardee Dorret Boomsma</p> <p>The value of twin studies in the omics era</p> <p>Chair: Eric Turkheimer</p>	<p style="text-align: center;">ABC</p>
10:00-10:30	<p style="text-align: center;">Morning Break</p>	<p style="text-align: center;">PFA</p>

10:30-12:00	Symposium: Brain & Genetics Chair: Mike Neale	A
10:30	Size Matters Somewhat: The Genetics of Cortical-Cognitive Associations are Also About Cortical Configuration William Kremen, Eero Vuoksimaa, Matthew Panizzon, Chi-Hua Chen, Christine Fennema-Notestine, Donald Hagler, Jr., Carol Franz, Amy Jak, Michael Lyons, Michael Neale, Daniel Rinker, Wesley Thompson, Anders Dale	
10:45	Genetically-informative longitudinal models of cortical thickness patterning during childhood and adolescence Eric Schmitt, Michael C. Neale, Jay Giedd	
11:00	Enhanced Network Analysis of Cortical Genetic Architecture Anna Docherty	
11:15	Common Variants influencing sub-cortical brain regions - the ENIGMA2 project Sarah Medland	
11:30	GWAS of brain activity: Preliminary results from the ENIGMA-EEG project Dirk Smit	
10:30-12:00	Symposium: Causes and Consequences of Social Inequality over the Life Course: Current Findings and future Implications for the German Twin Study 'TwinLife' Chairs: Juliana Gottschling & Elisabeth Hahn	B
10:30	TwinLife – A new German Twin Study on Genetic and Social Causes of Social Inequalities Elisabeth Hahn, Juliana Gottschling, Rainer Riemann, Martin Diewald, Frank M. Spinath	
10:45	New Directions in the Behavioral Genetics of Skill Formation and	

	Educational Success Elliot M. Tucker-Drob	
11:00	Genetics of Happiness, Satisfaction with Life, and Wellbeing: A Meta-Analysis of Heritability Studies and an Update on the Genome-Wide Association Meta-Analysis Meike Bartels and the Social Science Genetics Association Consortium	
11:15	Is Externalizing Psychopathology an Indicator of the Soft Skills Underlying Social Achievement? Matt McGue	
11:30	How Genes and Environments work together to influence Child and Adolescent Outcomes Jenae Neiderhiser	
10:30-12:00	Paper session: IMPULSIVITY & INATTENTION Chair: Dorret Boomsma	C
10:30	Genetic Relations Among Procrastination, Impulsivity, and Goal-Management Ability Daniel Gustavson (T), Akira Miyake, John Hewitt, Naomi Friedman	
10:45	Genetically distinct facets of risky decision-making in adolescents: Integrating behavioral and self-report measures K. Paige Harden, Natalie Kretsch, Laurence Steinberg, Elliot Tucker-Drob	
11:00	Genetic & Environmental Influences on Personality & Callous-Unemotional Traits Frank Mann (T), Elliot Tucker-Drob, K. Paige Harden	
11:15	Genetic overlap between sensation-seeking and IQ: Implications for the etiology of substance use disorders Joshua Isen, William Iacono, Matthew McGue	
12:00-1:00	Lunch (provided)	PFA

<p>1:00-2:00</p>	<p>Keynote address: Ken Kendler Chair: Carol Prescott</p>	<p>ABC</p>
<p>The Environment in Psychiatric and Behavioral Genetics: New Approaches</p>		
<p>2:00-2:30</p>	<p>Coffee</p>	<p>PFA</p>
<p>2:30-3:30</p>	<p>Symposium: A developmental perspective on the genetics of ADHD and Autism Spectrum Disorder Chair: Tinca JC Polderman</p>	<p>A</p>
<p>2:30</p>	<p>Where do the strongest associations between traits of autism spectrum disorders and attention-deficit/hyperactivity disorder lie? Results from a multivariate twin study of 12-year-olds Mark J Taylor, Tony Charman, Angelica Ronald</p>	
<p>2:45</p>	<p>Stability and Change in Familial Influences on Inattention and Hyperactivity during Adolescence: a Longitudinal Twin Study Using the SWAN Chunzi Peng, Julia D Grant, Andrew C Heath, Andrey P Anokhin</p>	
<p>3:00</p>	<p>Repetitive and Restricted Behavior and Interests Play an Important Role in the Co-Occurrence of Autistic and ADHD Symptoms in Adults: An Etiological Study in 17779 Twins Tinca JC Polderman, Rosa A Hoekstra, Danielle Posthuma, Henrik Larsson</p>	
<p>3:15</p>	<p>The oxytocin receptor gene (OXTR) is associated with Autism Spectrum Disorder (ASD): A meta-analysis Devon M LoParo (T), Irwin Waldman</p>	

2:30-3:30	Paper session: ALCOHOL Chair: Richard Rose	B
2:30	Alcohol Dehydrogenase Polygenic Risk and Alcohol Consumption in African Americans Karen Chartier, Jessica Salvatore, Fazil Aliev, Danielle Dick, COGA Collaborators; Collaborative Studies on the Genetics of Alcoholism	
2:42	Spit for Science: Launching a Longitudinal Study of Genetic and Environmental Influences on Substance Use and Emotional Health at a Large US University Danielle Dick, Kenneth Kendler	
2:54	Paper withdrawn	
3:06	Aversive Outcomes are associated with Alcohol Exposure: Evaluating Confounds and Causality with Exposure-Discordant Twins Richard Rose, Richard Viken, Jaakko Kaprio	
3:18	The genetic contribution of the endocannabinoid system to alcohol use disorder symptomatology in a sample of treatment-seeking alcoholics and non-treatment-seeking social drinkers Jia Yan, Melanie Schwandt, Bethany Stangl, Mark Reimers, Hui Sun, Colin Hodgkinson, David Goldman, David George, Kenneth Kendler, Markus Heilig, Vijay Ramchandani	
2:30-3:30	Paper session: SCHIZOPHRENIA Chair: Sarah E Bergen	C
2:30	Familial Co-Aggregation of Schizophrenia and Neighborhood Deprivation: From Sibling and Twin Comparisons to Polygenic Risks Amir Sariaslan (T), Seena Fazel, Brian D'Onofrio, Niklas Långström, Henrik Larsson, Sarah E Bergen, Ralf Kuja-Halkola, Paul Lichtenstein	
2:45	Behavioral effects of schizophrenia and bipolar disorder risk genes in healthy Swedish twins Sarah E Bergen, Erik Eriksson, Alexander Viktorin, Patrik Magnusson, Paul	

	Lichtenstein, Mikael Landen	
3:00	Genetic factors contributing to clinical heterogeneity in schizophrenia Alexis Edwards, Tim Bigdeli, Anna Docherty, Arden Moscati, Brien Riley, Kenneth Kendler, Ayman Fanous	
3:15	The neuregulin signalling pathway - shared genetic predisposition for nicotine dependence and schizophrenia Anu Loukola, Beenish Qaiser, Antti-Pekka Sarin, Samuli Ripatti, Michele Pergadia, Pamela Madden, Jaakko Kaprio	
3:30-3:45	Afternoon break	PFA
3:45-5:00	Symposium: Addressing the challenges of GxExD research: Application to Substance Abuse Chair: Naimah Weinberg	A
3:45	Leveraging results from meta-analysis of GWAS and longitudinal samples to investigate gene x environment x developmental interplay for smoking Brian Hicks	
4:04	Polygene by environment interaction and adolescent smoking risk Roseann Peterson	
4:23	Developing a Package to estimate Latent Growth Curve Models with Genome Wide Data Brad Verhulst	

4:42	Discussant John Hewitt	
3:45-5:00	Paper session: METHODS Chair: Mike Neale	B
3:45	A Method for ACE Decomposition of Parameters of Dynamical Systems Steve Boker, Erin Horn, M. Meyer, Eric Turkheimer	
4:00	Current and future developments in genetic modeling: OpenMx 2.0 Mike Neale	
4:15	Genotype-phenotype association research in ethnically-complex samples Michael Miller	
4:30	A Dynamic Mixture Biometric Model of Cognitive Development in the NLSY Children Michael Hunter (T), David Bard, William Beasley, Kelly Meredith, Joseph Rodgers	
4:45	Identifying Heterogeneity in Genome-wide Meta-Analysis with Variance Explained Estimates Raymond Walters (T), Gitta Lubke	
3:45-5:00	Paper session: INTERNALIZING Chair: Erica Spotts	C
3:45	Polymorphisms in the Circadian Photoreceptor Melanopsin Gene Are Associated with Seasonal Affective Disorder Diagnosis Kathryn Roecklein, Shannon Donofry, Megan Miller, Barbara Suever, Indrani Halder	
4:00	Meta-Analysis of the Association between FKBP5 and Internalizing Phenotypes	

	Yunsoo Park (T), Irwin Waldman	
4:15	Genomic partitioning and cross-population polygene scoring of major depressive disorder in N=11,651 Han Chinese women using low-pass sequencing data Tim Bigdeli, Alexis Edwards, Roseann Peterson, Yihan Li, Warren Kretschmar, Fuzhong Yang, Hermine Maes, Ayman Fanous, Bradley Webb, Brien Riley, Jun Wang, Shenxun Shi, Yiping Chen, Jonathan Marchini, Richard Mott, Silviu-Alin Bacanu, Jonathan Flint, Kenneth Kendler	
4:30	An examination of the etiologic underpinnings of insomnia: A longitudinal twin study Mackenzie Lind, Steven Aggen, Kenneth Kendler, Ananda Amstadter	
5:30-7:00	Poster Session Posters can be mounted all afternoon. Poster size is 8' x 4'. Mounting pins will be provided. (NOTE "R" beside poster number indicates candidate eligible for Rowe Award) Food and beverages provided.	PFA
1 R	Analysis of Longitudinal ADHD Symptom Data from Same-Sex Twin Pairs Across Adolescence Amy Anderson, Matthew McGue	
2	Etiological sources underlying the co-occurrence of somatic, anxious, and depressive symptoms in adolescents: a multiple-rater twin study Helga Ask, Trine Waaktaar, Karoline Brobakke Seglem, Sverre Torgersen	
3 R	Emotional Problems in Young Children: Examining the Interaction Between Peer Victimization and DRD4 Genotype Kyle Bersted, Megan McCrary, Lisabeth DiLalla	
4	Developmental and Genetic Bases of Attention and Sluggish Cognitive Tempo Gabriel Casher, Lisabeth DiLalla, Megan McCrary	

5	<p>Classifying association patterns of multiple phenotypes from GWAS replicates an internalizing/externalizing structure of genetic influence?</p> <p>Seung Bin Cho, Fazil Aliev, Danielle Dick</p>
6 R	<p>Differential Trajectories of Mid- to Late-Adolescence Alcohol Use</p> <p>Herbert Cleveland, Amanda Griffin, Gabriel Schlomer, David Vandenberg</p>
7 R	<p>Multivariate GWAS of alcohol phenotypes in a college-aged population sample</p> <p>James Clifford, Amy Adkins, Danielle Dick, Kenneth Kendler, Nathan Gillespie</p>
8 R	<p>Testing the Robustness of Three Moderators of the Genetic and Environmental Influences on Adolescent Alcohol Use</p> <p>Megan Cooke, Jessica Salvatore, Jacquelyn Meyers, Jaakko Kaprio, Richard Rose, Danielle Dick</p>
9	<p>Augmenting Pubertal Development Scale Indicators with Height in Two Genetically-Informative Longitudinal Studies</p> <p>Robin Corley, Adriene Beltz, Sally Wadsworth, Sheri Berenbaum</p>
10 R	<p>Correlates and causes of subjective well-being</p> <p>Matthew Domiteaux</p>
11	<p>Understanding the Mechanism of the Wilson Effect</p> <p>Louise Ellen, Erin Horn, Eric Turkheimer</p>
12 R	<p>Etiology of Callous-Unemotional Traits in Early Childhood</p> <p>Megan Flom, Kimberly Saudino</p>
13	<p>"Ties that bind" - Longitudinal relationships between romantic attachment and life stress in middle-aged men</p> <p>Carol Franz, Matthew Panizzon, Michael Lyons, William Kremen</p>
14	<p>Callous-Unemotional Traits and Startle Reactivity in Juvenile Twins</p> <p>Shannon Hahn, Dever Carney, Jeanne Savage, Jack Hetteema, Roxann Roberson-</p>

	Nay
15	Examining Genetic and Environmental Contributions to Sibling Relationship Quality From Mid Adolescence to Young Adulthood Briana Horwitz, Angela Brant, David Reiss, Jenae Neiderhiser
16 R	Etiology of risky sexual behavior and the association with drug and alcohol use during sexual decision making Brooke Huibregtse, Robin Corley, Michael Stallings
17	Learning stimulation and reading ability: A case of gene-by-environment interaction or non-linear effects? Carol Van Hulle, Hao Zheng, Paul Rathouz
18	Effect of the APOE ε4 Allele and Combat Exposure on PTSD and Psychiatric Comorbidity Nathan Kimbrel, Michael Hauser, Melanie Garrett, Allison Ashley-Koch, Yutao Liu, Michelle Dennis, Rebecca Klein, Valerie Knopik, Jean Beckham
19	A SNP in the prairie vole oxytocin receptor gene exhibits brain region-specific allelic expression imbalance and predicts enhanced partner preference formation Lanikea B King, Kiyoshi Inoue, Larry J Young
20	Can the twin/adoption design increase power to detect allelic association?: A methodological investigation Robert Kirkpatrick, Michael Neale
21	A longitudinal analysis of polygene x environment interactions for alcohol use behaviors in adolescents and young adults James Li, Jessica Salvatore, Seung Bin Cho, Steven Aggen, Danielle Dick
22 R	Exploring the biometric dual change score model in the co-development of reading fluency and reading comprehension Callie Little, Sara Hart, Christopher Schatschneider, Jeanette Taylor

<p>23 R</p>	<p>Trajectories of Anger in Children from Infancy to Middle Childhood: Examining the Role of Genetic and Prenatal Risk</p> <p>Chang (Cecilia) Liu, Charles Beekman, Leslie Leve, Daniel Shaw, Jody Ganiban, David Reiss, Misaki Natsuaki, Jenae Neiderhiser</p>
<p>24</p>	<p>Do personality traits conform to lists or to hierarchies, and is this based on genetic or environmental covariation?</p> <p>John Loehlin</p>
<p>25 R</p>	<p>Replication of genetic association between GRM8 and alcohol dependence symptoms</p> <p>Elizabeth Long, Fazil Aliev, Jen-Chyong Wang, Howard Edenberg, John Nurnberger, Victor Hesselbrock, Bernice Porjesz, Danielle Dick</p>
<p>26</p>	<p>Do genes related to cortisol contribute to externalizing and substance use?</p> <p>Kristine Marceau, Diana Samek, Robert Kirkpatrick, Margaret Keyes, Daniel Irons, Michael Miller, William Iacono, Matthew McGue</p>
<p>27 R</p>	<p>Genetic influences on personality over time: Are SNP effects common from adolescence to adulthood?</p> <p>Lindsay Matteson, Michael Miller, Matthew McGue, William Iacono</p>
<p>28 R</p>	<p>Shared Genes and Environment Between Child Negative Emotionality and Parent Neuroticism</p> <p>Megan McCrary, Kyle Bersted, Gabriel Casher, Lisabeth DiLalla</p>
<p>29</p>	<p>Moderation of Verbal and Performance IQ by Selected Leisure Activities</p> <p>Matthew McGue, Shandell Pahlen</p>
<p>30</p>	<p>How are Autistic-Like Traits and Affective Problems Related Over Time? Results from a Genetically Informed Cross-Lagged Analysis</p> <p>Lauren Micalizzi, Angelica Ronald, Kimberly Saudino</p>
<p>31 R</p>	<p>All in the family? Impact of sibling relationships on adolescents' externalizing behavior</p>

	Laura Mlynarski, Shiyun Zhu, Jody Ganiban, David Reiss, Jenae Neiderhiser
32 R	Age of Onset and the Subclassification of Conduct Disorder and Antisocial Personality Ashlee Moore, Judy Silberg, Michael Rutter
33 R	Cross-Lagged Evocation: a method for estimating the specific active or evocative gene-environment correlation between two constructs Arden Moscati, Brad Verhulst, Judy Silberg, Lindon Eaves
34	Siblings Reared Apart: An Innovative Extension of the Adoption Design to Examine Environmental Influences Misaki Natsuaki, Jenae Neiderhiser, Daniel Shaw, Gordon Harold, David Reiss, Laura Dimler, Leslie Leve
35	Estimating Genetic and Family Environment Effects when Zygosity is Unknown by using Data from Twin and Sibling Pairs Carol A. Prescott, John J. McArdle, Deanna Lyter Achorn, Ashley Kaiser, Susan J. Lapham
36 R	The Power of Peers: Do deviant peers facilitate or suppress genetic contributions to externalizing behavior? Gina Raciti, Laura Mlynarski, Jody Ganiban, David Reiss, Jenae Neiderhiser
37 R	Disentangling the effects of parenting and genetic influences on self-regulation and school readiness using two research designs Julia Reuben, Daniel Shaw, Jenae Neiderhiser, Misaki Natsuaki, David Reiss, Thomas Dishion, Melvin Wilson, Leslie Leve
38	Tests of invariance across age in measures of depression and anxiety derived from the Delusion Symptoms States Inventory Michael Sadler, Ryne Estabrook, Nick G. Martin
39	Dopamine neurotransmission genetic risk profile as a moderator of the association between stress exposure and externalizing problems in middle childhood

	Katherine Sarkisian, Carol Van Hulle, Hill Goldsmith
40	Substance Use Trajectories from Adolescence to Young Adulthood: Genetic and Environmental Contributions and Effects of Early Social Anxiety Jeanne Savage, Danielle Dick, Lea Pulkkinen, Tellervo Korhonen, Richard Rose, Jaakko Kaprio, Brad Verhulst
41 R	Polygenic Risk Scores Predicting Alcohol Dependence Symptoms Across Population-Based and Clinically-Ascertained Samples Jeanne Savage, Jessica Salvatore, Fazil Aliev, Glyn Lewis, Matthew Hickman, John Macleod, Richard Rose, Jaakko Kaprio, Antti Latvala, Anu Loukola, Danielle Dick
42	An examination of negative emotional reactivity and its recovery in twins Alyssa Saylor, Carol Van Hulle, Cory Schmidt, Hill Goldsmith
43	Resemblance for Twins on a Battery of Ability Tests David Schroeder
44	Impulsivity, delinquency and substance abuse in adolescence – Can common genetic or environmental factors explain why these traits often co-occur? Karoline B. Seglem, Sverre Torgersen, Helga Ask, Trine Waaktaar
45 R	Bipolar disorder and its relation to major psychiatric disorders: a family-based study in the Swedish population Jie Song, Sarah E Bergen, Ralf Kuja-Halkola, Henrik Larsson, Mikael Landen, Paul Lichtenstein
46	Genetic and Environmental Influences on Early Literacy Skills Across School Quality Contexts Rasheda Thompson, Sara Hart, Christopher Schatschneider, Jeanette Taylor
47	Aggressive Behavior during Early Childhood: Disentangling the Roles of Genetic Risk, the Rearing Environment, and Children’s Emotion Regulation Christopher Trentacosta, Jenae Neiderhiser, Daniel Shaw, Misaki Natsuaki, David Reiss, Leslie Leve

<p>48</p>	<p>Heritability of perinatal depression and genetic overlap with major depressive disorder</p> <p>Alexander Viktorin, Samantha Meltzer-Brody, Ralf Kuja-Halkola, Mikael Landén, Paul Lichtenstein, Patrik Magnusson</p>
<p>49</p>	<p>Polygenic Scores Using Ridge Regression</p> <p>Ronald de Vlaming</p>
<p>50</p>	<p>The Genetic Overlap between Emotion Regulation and Imitation in Early Childhood</p> <p>Manjie Wang, Susan Fenstermacher, Kimberly Saudino</p>
<p>51 R</p>	<p>The Effect of Parental Smoking on Longitudinal Smoking Outcomes in Adopted and Biological Offspring</p> <p>Julie Wood, Margaret Keyes, William Iacono, Matthew McGue</p>
<p>52 R</p>	<p>The Genetic Landscape of Twinning: A Meta-Analysis of Genome-Wide Association Studies from the Twinning Gwas Consortium</p> <p>Hamdi Mbarek, Jouke-Jan Hottenga, Gonneke Willemsen, Dorret Boomsma</p>
<p>53 R</p>	<p>Genetic Association Study of Economic Risk Preferences</p> <p>Monakhov M.V., Lai P.S., Chew S.H., Ebstein R.P</p>

Friday June 20

8:15-9:00	Coffee and light breakfast	PFA
9:00-10:00	Paper session: TWIN APPROACHES TO SUBSTANCE ABUSE Chair: Julia Grant	A
9:00	Conduct problems explain the genetic overlap between nicotine dependence and cannabis abuse/ dependence Julia Grant, Michael Lynskey, Pamela Madden, Lauren Few, Dixie Statham, Kathleen Bucholz, Nick G. Martin, Andrew Heath, Arpana Agrawal	
9:15	Marijuana use and impaired cognitive ability Naomi Friedman, Soo Rhee, Robin Corley, Jeffrey Lessem, Michael Stallings, Susan Young, Sally Wadsworth, John Hewitt	
9:30	Moderation of Substance Use Initiation by Measures of Family Environment Elizabeth Do (T), Elizabeth Prom-Wormley, Lenn Murrelle, Hermine Maes	
9:45	Investigating progression in substance use initiation using a multilevel discordant twin design Leah Richmond-Rakerd (T), Wendy Slutske, Arielle Deutsch, Michael Lynskey, Arpana Agrawal, Pamela Madden, Kathleen Bucholz, Andrew Heath, Nicholas Martin	
9:00-10:00	Paper session: IQ Chair: Elliot Tucker-Drob	B
9:00	Genetic and environmental structure of executive functions in childhood Laura Engelhardt (T), Daniel Briley, Frank Mann, K. Paige Harden, Elliot Tucker-Drob	

Friday

9:15	The Genetic and Environmental Architecture of Episodic Memory from Midlife to Early Old Age Matthew Panizzon, Carol Franz, Kristen Jacobson, Hong Xian, Michael Lyons, William Kremen	
9:30	The World's Literature on Gene × Social Class Interactions on Cognitive Ability: A Meta-Analysis Elliot Tucker-Drob, Timothy Bates	
9:45	Paper withdrawn	
9:00-10:00	Symposium: Developmental studies of gene-environment interplay Chair: Kathryn Lemery-Chalfant	C
9:00	A Twin Factor Mixture Modeling Approach to Childhood Temperament: Differential Heritability Sierra Clifford (T), Kathryn Lemery-Chalfant, H. Hill Goldsmith	
9:15	Phenotypic Specificity: Unique and Shared Genetic and Environmental Contributions to Children's Fear, Anger, and Sadness Brandon Scott, Kathryn Lemery-Chalfant, H. Hill Goldsmith	
9:30	Testing a Conceptual Model of Cascading Gene-Environment Correlation: AVPR1A, Children's Social Competence, and Maternal Preference Across Seven Years Shantel Meek, Kathryn Lemery-Chalfant, H. Hill Goldsmith	
9:45	Using a Theory-Based Polygenic Risk Score for Behavioral Undercontrol to Examine Evocative Genotype-Environment Correlation Kit K. Elam, Frances Wang, Kaitlin Bountress, Laurie Chassin, Kathryn Lemery-Chalfant, Danielle Dick, Danielle Pandinka, Jessica Salvatore, Arpana Agrawal, Kenneth Sher	
10:00-10:30	Morning Break	PFA
10:30-12:00	Symposium: Genetic Influences on Sexuality	A

Friday

	and Fertility Chair: Daniel A. Briley	
10:30	Genotype × Cohort Interaction on Completed Fertility and Age at First Birth Daniel A. Briley (T) , K. Paige Harden, Elliot M. Tucker-Drob	
10:48	Family Matters: A Multi-Level Family Study of Age of First Intercourse Kelly Meredith, David Bard, Joseph L. Rodgers	
11:06	Intelligence and Fertility in the NLSY79 Respondents: Children of Siblings and Biometrical Models Joseph L. Rodgers, Sarah Mason Garrison, Alexandria Hadd	
11:24	Are there Genetic Influences Unique to Second Generation Reproductive Success? Brendan P. Zietsch	
11:42	Human fertility, molecular genetics, and natural selection in modern societies Felix Tropf (T), Melinda Mills, Gert Stulp, Nicola Barban, Harold Snieder	
10:30-12:00	Paper session: EMOTION Chair: Kristen Jacobson	B
10:30	Genetic and Environmental Influences on Amygdala Activation to Facial/Emotion Processing: A Twin Study using fMRI Kristen Jacobson, Henk Cremers, Emil Coccaro	
10:50	Validating RDoC positive and negative valence constructs in children using biometric methods Mollie Moore, Carol Van Hulle, Hill Goldsmith	
11:10	Methylation in monozygotic female twins discordant for stress reaction	

Friday

	Jaime Derringer, William Iacono, Bob Krueger, Matthew McGue	
10:30-11:50	Symposium: Genetically informed studies of relationship factors: Examining gene-environment interplay and testing causal hypotheses Chairs: Susan C. South & Jessica E. Salvatore	C
10:30	Romantic Relationships and Personality: Genetic and Environmental Overlap Susan South, Bob Krueger, William Iacono, Matthew McGue	
10:50	Evaluating the causality of the associations between men's alcohol consumption, romantic quality, and social support Jessica Salvatore, Elizabeth Prom-Wormley, Carol Prescott, Kenneth Kendler	
11:10	The association between single parenthood and depression: magnitude, moderators, and cross-cultural comparisons Diana Dinescu (T), Robert Emery, Eric Turkheimer	
11:30	Widowhood and genotype-environment correlation in the development of depression Christopher Beam (T), Robert Emery, Chandra Reynolds, Eric Turkheimer	
12:00-1:30	Lunch (on your own)	
1:30-2:30	Keynote address: Larry Young Chair: Paul Lichtenstein	ABC
Genetic Contributions to Variation in Social Behavior in Monogamous Prairie Voles: From Genotype to Brain Mechanisms		
2:30-3:00	Afternoon break	PFA
3:00-4:00	Paper session: COMORBIDITY Chair: Erik Pettersson	A

Friday

3:00	Genetic analyses of heterogeneous phenotype with COSA-MDMR Gitta Lubke, Dan McArtor	
3:15	Different psychiatric diagnoses share a common genetic etiology: A population-based study Erik Pettersson, Paul Lichtenstein	
3:30	Spouse and parent-offspring correlations for psychiatric symptoms in a clinical sample Christel Middeldorp, Laura Wesseldijk, Ramon Lindauer, Neeltje Batelaan, Frank Verhulst, Dorret Boomsma, Gwen Dieleman	
3:45	Predicting executive functioning with genetic risk scores for psychiatric disorders Chelsie Benca (T), Naomi Friedman, Jaime Derringer, Robin Corley, John Hewitt	
3:00-4:00	Paper session: EATING & WEIGHT Chair: Kelly Klump	B
3:00	Exogenous Ovarian Hormones and Binge Eating in Women: Significant Phenotypic and Genetic Effects Kelly Klump, S. Alexandra Burt, Michael Neale, Cheryl Sisk, Pamela Keel	
3:15	Behavioral and environmental modification of the genetic influence on body mass index: a twin study Glen Duncan, Erin Horn, Eric Turkheimer	
3:30	Elucidating shared biological pathways for ADHD and obesity using pathway analysis Taylor Smith, Lisa Ranzenhofer, Elissa Jelalian, Valerie Knopik	
3:00-4:00	Paper session: PHYSICAL HEALTH Chair: Brian M. D'Onofrio	C
3:00	Genetic and environmental etiology of herpes simplex virus type 1	

Friday

	<p>disease severity: A dynamic study of oral lesion recurrence and viral shedding episodes in adult twins</p> <p>Erin Horn (T), Eric Strachan, Eric Turkheimer</p>	
3:15	<p>Extreme low birth weight in MZ twins discordant for birth weight is associated with shorter telomere length and lower IQ, but not mental well-being in later life</p> <p>Nick G. Martin, Jana Strohmaier</p>	
3:30	<p>A sibling-comparison study of maternal infection during pregnancy and offspring severe psychopathology</p> <p>Brian M. D'Onofrio</p>	
3:45	<p>'SNP heritability', genomic predictors and genetic correlations: studying genetic links between childhood intelligence and adult health</p> <p>Maciej Trzaskowski, Paul Lichtenstein, Robert Plomin</p>	
4:00-4:15	<p>Afternoon break</p>	PFA
4:15-5:15	<p>Symposium: Methodological developments in the analysis of behavior genetics data</p> <p>Chair: Ben Neale</p>	A
4:15	<p>GCTA: Beyond 'heritability'</p> <p>Lindon Eaves, David Evans, Beate St. Pourcain, Timothy York, George Davey Smith</p>	
4:30	<p>The ultimate extended family design: Using IBD haplotypes to estimate heritability</p> <p>Matthew Keller, Doug Bjelland, Teresa de Candia, Mike Goddard, Peter Visscher</p>	
4:45	<p>Assessing significance of voxel level GWAS: multiple testing issues in big data</p> <p>Sarah Medland, Benjamin Neale, ENIGMA Consortium</p>	

Friday

<p>5:00</p>	<p>Leveraging genetic findings to elucidate causal relationships Benjamin Neale, Ron Do, Mark Daly, Sekar Kathiresan, Global Lipids Genetics Consortium</p>	
<p>4:15-5:15</p>	<p>Paper session: EXTERNALIZING Chair: Ashlea M. Klahr</p>	<p>B</p>
<p>4:15</p>	<p>Relational aggression and externalizing: A common etiology? Bridget Carey (T), William Iacono, Matthew McGue</p>	
<p>4:30</p>	<p>The presumed ubiquity of diathesis-stress GxE in youth antisocial behavior: An assumption in need of empirical examination S. Alexandra Burt, Kelly Klump</p>	
<p>4:45</p>	<p>Gene-Based Analyses of GWAS Data on Conduct Disorder Symptoms in African- and European-Americans Irwin Waldman</p>	
<p>5:00</p>	<p>Birth Weight and Externalizing Problems across Development: An MZ Twin-Differences Study Ashlea M. Klahr (T), Kelly Klump, S. Alexandra Burt</p>	
<p>4:15-5:15</p>	<p>Symposium: Idiographic Approach to Genetic and Environmental Contribution to Intra-individual Variation: Estimating Subject-specific Genetic and Environmental Influences with Intensive Longitudinal Data Chair: Yao Zheng</p>	<p>C</p>
<p>4:15</p>	<p>Genetic decomposition of intra-individual phenotypic variation: Rationale, dynamic models and some results Peter Molenaar</p>	
<p>4:30</p>	<p>Subject-specific non-shared environmental influences in intra-individual variation: A case of daily school feelings and school</p>	

Friday

	experiences in monozygotic twins Yao Zheng (T), Rosalind Arden, Kathryn Asbury, David Almeida, Robert Plomin, Peter Molenaar
4:45	Time series models for analyzing development within twin study designs Lawrence Lo (T), Peter Molenaar
5:00	Discussant Eric Turkheimer
5:30-6:30	Happy Hour: Center for Open Science Omni Hotel, Suite 500
6:00	Tour of UVA Grounds Sign up: http://goo.gl/R03Ned Take Free Trolley at 6:00 UVA Grounds
6:30-	Social Event: Fridays After Five (Beer and Music, at Pavilion on opposite end of mall. Bring proof of age.) Pavilion, Downtown Mall

Saturday June 21

8:15-9:00	Coffee and light breakfast	PFA
9:00-10:00	Paper session: EDUCATION Chair: Leslie Leve	A
9:00	Genetic and environmental influences on first and second language achievement at the end of compulsory education in UK Kaili Rimfeld, Eva Krapohl, Nicholas Shakeshaft, Maciej Trzaskowski, Andrew McMillan, Kathryn Asbury, Philip Dale, Robert Plomin	
9:15	DNA evidence on the genetic link between family socioeconomic status and children's educational achievement Eva Krapohl, Robert Plomin, Kaili Rimfeld, Maciej Trzaskowski	
9:30	Heritable yet Malleable: Environmental Influences on Adopted Children's Academic Achievement Leslie Leve, Gordon Harold, Daniel Shaw, Misaki Natsuaki, David Reiss, Jenae Neiderhiser	
9:45	Polygenic scores associated with educational attainment in adults predict educational achievement and attention problems in children Eveline de Zeeuw, Catherina van Beijsterveldt, Tina Glasner, Erik Ehli, Gareth Davies, Jim Hudziak, Cornelius Rietveld, Maria Groen-Blokhuis, Jouke-Jan Hottenga, Eco de Geus, Dorret Boomsma	
9:00-9:45	Paper session: EARLY CHILDHOOD Chair: Lisabeth DiLalla	B
9:00	Prosocial Behaviors in 5-Year-Old Children's Play with Unfamiliar Peers Show Evidence of Gene-Environment Correlations Lisabeth DiLalla, Kyle Bersted	

<p>9:15</p>	<p>Multivariate Behavioral Genetic Analysis of Parenting in Early Childhood</p> <p>Amanda Cheung (T), K. Paige Harden, Elliot Tucker-Drob</p>	
<p>9:30</p>	<p>Predictors of Positive Parenting</p> <p>Kerri Woodward (T), Debra Boeldt, Robin Corley, Lisabeth DiLalla, Naomi Friedman, John Hewitt, Paula Mullineaux, JoAnn Robinson, Soo Rhee</p>	
<p>10:00-10:30</p>	<p>Morning Break</p>	<p>PFA</p>
<p>10:30-12:00</p>	<p>Symposium: G-E contributions to health & well-being across the lifespan: the IGEMS consortium</p> <p>Chair: Nancy Pedersen</p>	<p>A</p>
<p>10:30</p>	<p>Introduction to iGEMS</p> <p>Nancy Pedersen</p>	
<p>10:45</p>	<p>Gender and age differences in the impact of marital status on genetic and environmental influences on subjective health</p> <p>Deborah Finkel Carol Franz, Briana Horwitz</p>	
<p>11:00</p>	<p>Socioeconomic status moderates cognitive performance in older adults: variation by country and sex</p> <p>Catalina Zavala (T), Wendy Johnson, William S. Kremen, Chandra A. Reynolds</p>	
<p>11:15</p>	<p>MZ within pair tests of gene-environment interaction: examinations of health, well-being and cognitive performance</p> <p>Chandra A. Reynolds</p>	
<p>11:30</p>	<p>Contribution of gene-by-environment interaction at baseline and change of hand grip strength</p> <p>Inge Petersen, Kaare Christensen, Matthew McGue, Chandra Reynolds</p>	
<p>11:45</p>	<p>Discussant</p> <p>Eric Turkheimer</p>	

Saturday

10:30-12:00	Paper session: BIOLOGICAL APPROACHES TO SUBSTANCE ABUSE Chair: Rohan Palmer	B
10:30	Deep sequencing of genes implicated in substance use disorder etiology Shaunna Clark, Joseph McClay, Daniel Adkins, Gaurav Kumar, Karolina Aberg, Srilaxmi Nerella, Linying Xie, Ann Collins, James Crowley, Corey Quakenbush, Chris Hillard, Guimin Gao, William Copeland, Judy Silberg, Matthew McGue, William Iacono, Hermine Maes, Patrick Sullivan, E. Jane Costello, Edwin van den Oord	
10:45	Common Genetic Variants Have Generalized Influences on Substance Dependence Rohan Palmer, Leslie Brick, Nicole Nugent, Cinnamon Bidwell, John McGeary, Valerie Knopik, Matthew Keller	
11:00	Genome-wide Association Study of Cannabis Dependence in a Native American Population Using Low-Coverage Whole Genome Sequence Data Ian Gizer, Chris Bizon, Kirk Wilhelmsen, Cindy Ehlers	
11:15	Genome-Wide Association Study of Probable Posttraumatic Stress Disorder and Coping-Oriented Drinking Erin Berenz	
12:00-1:30	Lunch and business meeting (Lunch provided)	PFA
1:30-2:30	Keynote address: Patrick Sullivan <i>2014 Aston-Gottesman Lecture</i> Chair: Paul Lichtenstein	ABC
Genes and behavior genetics: Envisioning the post-GWAS era		
2:30-3:00	Afternoon break	PFA
3:00-4:00	Symposium: Gene findings for cognition and educational attainment; from large GWAS to	A

	gene network approaches to biopsychosocial models Chair: Tinca JC Polderman	
3:00	Replicability and Robustness of GWAS for Behavioral Traits. Educational attainment is influenced by genetic variation in synaptic and glial functioning Cornelius Rietveld, Dalton Conley, Nicholas Eriksson, Tonu Esko, Sarah Medland, Anna Vinkhuyzen, Peter Visscher, David Cesarini, Daniel Benjamin, Philipp Koellinger	
3:15	Educational attainment is influenced by genetic variation in synaptic and glial functioning Tinca JC Polderman, Anke Hammerschlag, Christiaan De Leeuw, Matthijs Verhage, Ruud Toonen, Marc Verheijen, Guus Smit, D Posthuma	
3:30	Biopsychosocial Mechanisms for Intelligence Timothy C Bates	
3:45	Discussant Patrick F Sullivan	
3:00-4:00	Paper session: SMOKING Chair: Hermine Maes	B
3:00	Smoking Then and Now: What Can the Aggregate of Genome-wide SNPs Tell Us About the Correspondence of Genetic Factors Influencing Cigarette Smoking Initiation Between Birth Cohorts? Amanda Wills (T), Matthew Keller	
3:12	NCAM1-TTC12-ANKK1-DRD2 variants and smoking motives as novel intermediate phenotypes for nicotine dependence Cinnamon Bidwell, John McGeary, Josh Gray, Rohan Palmer, Valerie Knopik, James MacKillop	
3:24	The Genetic and Environmental Contributions to Smoking Quit	

Saturday

	Attempts in Young Adults Elizabeth Prom-Wormley, Donna Miles, Judy Silberg, Lindon Eaves, Michael Neale, Hermine Maes	
3:36	Multivariate Genetic Analysis of Nicotine Dependence Items Hermine Maes, Kenneth Kendler, Steven Aggen, Michael Neale	
3:48	The Importance of Reliable Longitudinal Measurement in the Assessment of Prenatal Smoking and its Relation to Youth Externalizing Behavior Ryne Estabrook, Caitlin O'Brien, Kimberly Espy, Lauren Wakschlag	
4:00-6:00	Executive Committee Meeting	Wilson Room, Omni Hotel
6:00 & 6:15 (Pickup times, front of hotel)	Buses to reception (Garden VIII, University of Virginia). You can also walk (we will have guides) or take the Free Trolley.	Garden VIII, UVA
6:30-7:30	Reception <i>Reception and banquet supported by the Aston-Gottesman Endowment</i> [Inclement weather: Newcomb Hall]	Garden VIII, UVA
8:00-11:00	Banquet	Newcomb Hall, UVA
	Presidential address: Putting Faces on the Phenotypes - A Brief History of Behavior Genetics in Virginia Carol Prescott	

Saturday

Helpful Links

Center for Open Science

<http://centerforopenscience.org/>

Charlottesville's Downtown Mall Website

<http://www.downtowncharlottesville.net/>

Free Trolley Schedule

<http://www.charlottesville.org/index.aspx?page=3511>

Map of Downtown Mall

<http://www.visitcharlottesville.org/includes/media/docs/Historic-Downtown-Mall-Map.pdf>

Map of UVA Grounds

<http://www.virginia.edu/webmap/ACentralGrounds.html>