

43rd annual Meeting of the
Behavior Genetics
Association

June 28 – July 2, 2013
Marseille European Capital of Culture 2013



Behavior Genetics Association

The purpose of the Behavior Genetics Association is to promote the scientific study of the interrelationship of genetic mechanisms and behavior, both human and animal; to encourage and aid the education and training of research workers in the field of behavior genetics; and to aid in the dissemination and interpretation to the general public of knowledge concerning the interrelationship of genetics and behavior, and its implications for health and human development and education.

For additional information about the Behavior Genetics Association, please contact the Secretary, Valerie Knopik (valerie_knopik@brown.edu) or visit the website (www.bga.org).

EXECUTIVE COMMITTEE

Position	2012-2013	2013-2014
President	Eric Turkheimer	Carol Prescott
President-Elect	Carol Prescott	Paul Lichtenstein
Past President	Michael Pogue-Geile	Eric Turkheimer
Secretary	Arpana Agrawal	Valerie Knopik
Treasurer	Soo Rhee	Soo Rhee
Member-at-Large	Marleen de Moor	Marleen de Moor
Member-at-Large	Benjamin Neale	Benjamin Neale
Member-at-Large	Tim Bates	Matthew Keller

2013 MEETING INFORMATION

The **43rd Annual Meeting of the Behavior Genetics Association** is being held at Campus Saint Charles Aix Marseille University. Scientific sessions will occur throughout the day June 29 – July 2.

The **Opening Reception** will be in the Garden in front of Amphi Mathématiques Physique (Building 9) from 18:00 to 21:00 on Friday, June 28.

The **Conference Banquet and Awards Ceremony** will be held Monday, July 1 at Fort Ganteaume, beginning with cocktails at 18:30.

A **Festschrift** for Professor Norman Henderson will be held on Tuesday, July 2 in Amphi Mathématiques Physique.

Local Hosts: Michèle Carlier and Pierre Roubertoux

We thank the following generous contributors to the 2013 student bursaries:

Anonymous	Jenae Neiderhiser
Sally Manson Anderson	Michael Pogue-Geile
Timothy Bates	Chandra Reynolds
Norman Henderson	Michael Stallings
Kelly Klump	James R. Wilson
Valerie Knopik	

Meeting Overview

FRIDAY, June 28 (Registration open: 16:00-19:00)		
18:00	Reception	Garden (in front of Amphi Mathématiques Physique)
SATURDAY, June 29 (Registration open: 8:00-17:00)		
9:00	Opening & Plenary Address – Nicolas Lévy	Amphi Sciences Naturelles
10:15	Coffee / Tea Break	Garden
10:35	Academic Achievement, Cognitive Develop.	Amphi Sciences Naturelles
	Neuro-Endophenotypes	Amphi Mathémat. Physique
12:05	Lunch (provided)	Garden
13:15	Statistical & Analytical Methods	Amphi Sciences Naturelles
	Inattention, Disinhibition & ADHD	Amphi Mathémat. Physique
14:45	Coffee / Tea Break	Garden
15:05	International Network of Twin Registries	Amphi Sciences Naturelles
	Politics, Economics, Culture, Social Behavior	Amphi Mathémat. Physique
17:15	Tour of Old Marseille (registration closed)	Meet at campus entrance
SUNDAY, June 30 (Registration open: 8:00-9:00)		
9:00	Marriage, Family, and Well-Being	Amphi Sciences Naturelles
	Anxiety and Affective Disorders	Amphi Mathémat. Physique
10:15	Coffee / Tea Break	Garden
10:35	Dobzhansky Award Lecture: Matt McGue	Amphi Sciences Naturelles
11:40	Stress, Resilience and Well-Being	Amphi Sciences Naturelles
11:45	Tobacco and Cannabis Exposure	Amphi Mathémat. Physique
13:00	Lunch (provided)	Garden
14:10	Advances in Measurement & Methodology	Amphi Sciences Naturelles
	Cognitive Development and Autism	Amphi Mathémat. Physique
15:45	Externalizing Psychopathology	Amphi Sciences Naturelles
	Aging, Health and Exercise	Amphi Mathémat. Physique
17:30	Poster Session & Reception	Conference Hall
MONDAY, July 1 (Registration open: 8:00-9:00)		
9:00	Cognition and Educational Attainment	Amphi Sciences Naturelles
	Sex, Hormones & Fertility	Amphi Mathémat. Physique
10:30	Coffee / Tea Break	Garden
10:50	Genes and Autistic Spectrum Disorders Sympos.	Amphi Sciences Naturelles
	Substance Use Initiation & Disorders	Amphi Mathémat. Physique
12:20	Business Meeting & Lunch	Amphi Sciences Naturelles
13:45	Lightning: Mostly Cognition	Amphi Sciences Naturelles
	Lightning: Personality, Attitudes, Abnormal Behav	Amphi Mathémat. Physique
14:50	Parent-Offspring Design for Understanding Devel	Amphi Sciences Naturelles
	Personality & Personality Disorders	Amphi Mathémat. Physique
18:30	Banquet, Presidential Address & Awards	Fort Ganteaume
TUESDAY, July 2 - FESTSCHRIFT for Norman Henderson (Registration: 8:00-9:00)		
9:00	Morning Session	Amphi Mathémat. Physique
12:30	Lunch	Garden
14:00	Afternoon Session	Amphi Mathémat. Physique

The Behavior Genetics Association gratefully acknowledges the contributions of members of the Executive Committee

Year	President-Elect	President	Past-President	Secretary	Treasurer	Members-at-Large		
2012-2013	Carol Prescott	Eric Turkheimer	Michael Pogue-Geile	Arpana Agrawal	Soo Rhee	Benjamin Neale	Timothy Bates	Marleen de Moor
2011-2012	Eric Turkheimer	Michael Pogue-Geile	Irwin Waldman	Arpana Agrawal	Soo Rhee	Angelica Ronald	Timothy Bates	Marleen de Moor
2010-2011	Michael Pogue-Geile	Irwin Waldman	Michael Neale	Arpana Agrawal	Chandra Reynolds	Angelica Ronald	Timothy Bates	Meike Bartels
2009-2010	Irwin Waldman	Michael Neale	Dorret Boomsma	Danielle Dick	Chandra Reynolds	Angelica Ronald	Yoon-Mi Hur	Meike Bartels
2008-2009	Michael Neale	Dorret Boomsma	Pierre Roubertoux	Danielle Dick	Chandra Reynolds	Danielle Posthuma	Yoon-Mi Hur	Meike Bartels
2007-2008	Dorret Boomsma	Pierre Roubertoux	Laura Baker	Danielle Dick	Stacey Cherny	Danielle Posthuma	Yoon-Mi Hur	Juko Ando
2006-2007	Pierre Roubertoux	Laura Baker	Hill Goldsmith	Michael Stallings	Stacey Cherny	Danielle Posthuma	Jenae Neiderhiser	Juko Ando
2005-2006	Laura Baker	Hill Goldsmith	Michèle Carlier	Michael Stallings	Stacey Cherny	Danielle Dick	Jenae Neiderhiser	Juko Ando
2004-2005	Hill Goldsmith	Michèle Carlier	Nancy Pedersen	Michael Stallings	Deborah Finkel	Danielle Dick	Jenae Neiderhiser	Stacey Cherny
2003-2004	Michèle Carlier	Nancy Pedersen	Andrew Heath	Michael Pogue-Geile	Deborah Finkel	Danielle Dick	Caroline Van Baal	Stacey Cherny
2002-2003	Nancy Pedersen	Andrew Heath	Matt McGue	Michael Pogue-Geile	Deborah Finkel	Carol Prescott	Caroline Van Baal	Stacey Cherny
2001-2002	Andrew Heath	Matt McGue	John Hewitt	Michael Pogue-Geile	Pam Madden	Carol Prescott	Caroline Van Baal	Jennifer Harris
2000-2001	Matt McGue	John Hewitt	Richard Rose	Hermine Maes	Pam Madden	Carol Prescott	Irwin Waldman	Jennifer Harris
1999-2000	John Hewitt	Richard Rose	Norm Henderson	Hermine Maes	Pam Madden	Deborah Finkel	Irwin Waldman	Jennifer Harris
1998-1999	Richard Rose	Norm Henderson	Nicholas Martin	Hermine Maes	Matt McGue	Deborah Finkel	Irwin Waldman	Nancy Pedersen
1997-1998	Norm Henderson	Nicholas Martin	James Wilson	Andrew Heath	Matt McGue	Deborah Finkel	Linda Dixon	Nancy Pedersen
1996-1997	Tony Vernon	Nicholas Martin	James Wilson	Andrew Heath	Matt McGue	Larry Rodriguez	Linda Dixon	Nancy Pedersen
1995-1996	Pierre Roubertoux	James Wilson	Glayde Whitney	Andrew Heath	Sherri Berenbaum	Wim Crusio	Linda Dixon	Lon Cardon
1994-1995	James Wilson	Glayde Whitney	Thomas Bouchard	George Vogler	Sherri Berenbaum	Wim Crusio	Tamara Phillips	Lon Cardon
1993-1994	Glayde Whitney	Thomas Bouchard	David Blizard	George Vogler	Sherri Berenbaum	Wim Crusio	Tamara Phillips	Joanne Meyer
1992-1993	Thomas Bouchard	David Blizard	Lindon Eaves	George Vogler	Laura Baker	Peter Driscoll	Tamara Phillips	Joanne Meyer
1991-1992	David Blizard	Lindon Eaves	Carol Lynch	John Hewitt	Laura Baker	Peter Driscoll	George Vogler	Joanne Meyer
1990-1991	Lindon Eaves	Carol Lynch	Robert Plomin	John Hewitt	Laura Baker	Peter Driscoll	George Vogler	Dorret Boomsma

1989-1990	Carol Lynch	Robert Plomin	Leonard Heston	John Hewitt	Gregory Carey	Nicholas Martin	George Vogler	Dorret Boomsma
1988-1989	Robert Plomin	Leonard Heston	Peter Parsons	James Wilson	Gregory Carey	Nicholas Martin	Pierre Roubertoux	Dorret Boomsma
1987-1988	Leonard Heston	Peter Parsons	Ronald Wilson	James Wilson	Gregory Carey	Nicholas Martin	Pierre Roubertoux	Vicki Pollock
1986-1987	Peter Parsons	Ronald Wilson	Sandra Scarr	James Wilson	Thomas Bouchard	JHF van Abeleen	Pierre Roubertoux	Vicki Pollock
1985-1986	Ronald Wilson	Sandra Scarr	Steven Vandenberg	Robert Plomin	Thomas Bouchard	JHF van Abeleen	Richard Rose	Vicki Pollock
1984-1985	Sandra Scarr	Steven Vandenberg	David Fulker	Robert Plomin	Thomas Bouchard	JHF van Abeleen	Richard Rose	Laura Baker
1983-1984	Steven Vandenberg	David Fulker	John DeFries	Robert Plomin	Joseph Horn	Peter Parsons	Richard Rose	Laura Baker
1982-1983	David Fulker	John DeFries	Norman Henderson	Joseph Hegmann	Joseph Horn	Peter Parsons	David Blizard	Laura Baker
1981-1982	John DeFries	Norman Henderson	John Loehlin	Joseph Hegmann	Joseph Horn	Peter Parsons	David Blizard	Susan Resnick
1980-1981	Norman Henderson	John Loehlin	Elving Anderson	Joseph Hegmann	Gladye Whitney		Carol Lynch	Susan Resnick
1979-1980	John Loehlin	V. Elving Anderson	Lee Ehrman	Arthur Falek	Gladye Whitney		Carol Lynch	Barbara Cornblatt
1978-1979	Elving Anderson	Lee Ehrman	W.R. Thompson	Arthur Falek	Gladye Whitney		Gilbert Omenn	Barbara Cornblatt
1977-1978	Lee Ehrman	W.R. Thompson	Irving Gottesman	Arthur Falek	Norman Henderson		Gilbert Omenn	Sonja Haber
1976-1977	W.R. Thompson	Irving Gottesman	J.P. Scott	John. Defries	Norman Henderson		Lissy Jarvik	Sonja Haber
1975-1976	Irving Gottesman	J.P. Scott	Gerald McClearn	John. Defries	Norman Henderson		Lissy Jarvik	Daniel Hanson
1974-1975	J.P. Scott	Gerald McClearn	John L. Fuller	John. Defries	John Loehlin		Sandra Scarr	Daniel Hanson
1973-1974	Gerald McClearn	John L. Fuller	Th. Dobzhansky	Elving Anderson	John Loehlin		Sandra Scarr	L. Erlenmeyer-Kimling
1972-1973	John L. Fuller Richard Osborne	Th. Dobzhansky		Elving Anderson	John Loehlin		Seymour Kessler	L. Erlenmeyer-Kimling

Note: Members of the BGA Executive Committee were identified from archival records for several of the early years. If you see an error, please notify the BGA Secretary, Valerie Knopik (valerie_knopik@brown.edu).

Awardees

Year	Dobzhansky	Thompson	Fulker	Fuller/Scott
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	
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

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
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

Friday, June 28

16:00- 19:00	Registration Open	Garden in front of Amphi Mathématiques Physique
16:00- 17:50	Executive Committee Meeting I	Building 5, DOSI room, Floor 7, staircase b
18:00- 21:00	Opening Reception	Garden in front of Amphi Mathématiques Physique

Saturday, June 29

8:00 – 17:00	Registration Open	Garden in front of Amphi Mathématiques Physique
9:00- 9:15	WELCOME to BGA 2013 and to Marseille	Amphi Sciences Naturelles
	Eric Turkheimer, BGA President Michèle Carlier, Local Host Pascal Huguet, Director de Recherche, CNRS	
9:15 - 10:15	Plenary Address: Nicolas Lévy Introduction: Pierre Roubertoux	Amphi Sciences Naturelles
	<p><i>Ten years of translational research in Prelamin A defective Proferoid disorders; Lessons and perspectives for rare diseases</i></p> <p>Nicolas Lévy, M.D., Ph.D. heads the Department of Medical Genetics at the Children’s Hospital La Timone in Marseille, and the Laboratory of "Medical Genetics, Functional Genomics" at Institute of Health and Medical Research (Inserm). He created and now chairs the "Foundation for Rare Diseases".</p> <p>Professor Lévy is internationally recognized for his work implicating the LMNA and ZMPSTE24 genes in the pathogenesis of several disorders, including Charcot-Marie-Tooth, Hutchison-Gilford Progeria Syndrome and muscular dystrophies. This work led to the recognition of the common mechanisms among these disorders and revision of their nosology. He will speak about his research on Proferoid disorders, which ranges from transgenic mice models to clinical studies, and the implications for identifying treatments and genetic mechanisms in other diseases.</p>	
10:15 - 10:35	Coffee / Tea Break	Garden in front of Amphi Mathématiques Physique

10:35 - 12:05	Symposium: Behavioral and Environmental Contexts for Academic Achievement and Cognitive Development Organizer: Jeanette Taylor; Discussant: Timothy Bates	Amphi Sciences Naturelles
<p><i>This symposium brings together presentations from four different labs on three continents to examine behavioral and environmental factors that provide context for understanding academic achievement and cognitive development. We will begin with data from the Florida Twin Project on Reading, Behavior, and Environment examining behavior problems and a risk index of home environment as they relate to reading achievement in elementary and middle school (Taylor et al.). Next, macro-environmental context is examined by investigators using data from different countries showing the effects of standardization within country on reading in first grade (Byrne et al.). Researchers using data from the TEDS project will show how differences among MZ twins in reading achievement affect development of cognitive abilities (Ritchie et al.). Finally, data are presented from a new study of "tiny" twins examining family contexts for cognitive development (Tucker-Drob et al.).</i></p>		
10:35	Behavior problems and academic support at home as contexts for reading achievement Jeanette Taylor; Amy Mikolajewski; Sara Hart; Christopher Schatschneider	
10:55	Subsample standardization in twin studies of academic achievement Brian Byrne	
11:15	Influences of reading ability on the development of intelligence: Evidence from a longitudinal monozygotic twin-discordant design (T) Stuart Ritchie; Timothy Bates; Robert Plomin	
11:35	Gene-Environment correlation in cognitive development during the first 5 years of life: First results from the Texas Tiny Twin Project Elliot Tucker-Drob; Amanda Cheung; Kathryn Harden	
11:50	Discussion – Timothy Bates	
10:35-12:05	Paper Session: Neuro-Endophenotypes Chair: William Kremen	Amphi Mathématiques Physique
10:35	Inverse genetic relationship of regional cortical thickness and surface area with general cognitive ability William Kremen; Eero Vuoksimaa; Chi-Hua Chen; Matthew Panizzon; Michael Neale; Carol Franz; Michael Lyons	
10:50	Human cognitive ability is influenced by genetic variation in components of postsynaptic signaling complexes assembled by MAGUK proteins (T) William Hill; Gail Davies; Louie van de Lagemaat; Andrea Christoforou; Carla Fernandes; David Liewald; Mike Croning; Antony Payton; Leone Craig; Lawrence Whalley; Michael Horan; William Ollier; Narelle Hansell; Margaret Wright; Nick G. Martin; Grant Montgomery; Vidar Steen; Stephanie Le Hellard; Thomas Espeseth; Astri Lundervold; Ivar Reinvang; John Starr; Neil Pendleton; Seth Grant; Timothy Bates; Ian Deary	
11:05	EEG spatial synchronization in twins Elena Vorobyeva; Pavel Ermakov	
11:20	Frequency specificity in the genetic relation between EEG oscillation power and brain volume Dirk Smit; Eco de Geus; Hugo Schnack; Hilleke Hulshoff Pol; Dorret Boomsma	
11:35	Subcortical brain volume change during adolescence (T) Suzanne Swagerman; Rachel Brouwer; Eco de Geus; Hilleke Hulshoff Pol; Dorret Boomsma	
11:50	ENIGMA2: Genome-wide scans of subcortical brain volumes in 16,125 subjects from 28 cohorts worldwide Sarah Medland (for the ENIGMA consortium)	

12:05-13:15	Lunch (Provided)	Garden in front of Amphi Mathématiques Physique
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13:15 - 14:45	Paper Session: New Developments in Statistical & Analytical Methods Chair: Conor Dolan	Amphi Sciences Naturelles
13:15	Genetic simplex models including GE_covariance: identification, power, and consequences of misspecification in the classical twin design Conor Dolan	
13:30	Estimating variance explained by all variants in meta-analyses with heterogeneity (T) Raymond Walters; Meike Bartels; Gitta Lubke	
13:45	GWAS of cannabis use in a family-based sample from the Netherlands Twin Register: A comparison of two analytic strategies (T) Camelia Minica; Conor Dolan; Jouke Jan Hottenga; Dorret Boomsma; Jacqueline Vink	
14:00	Simulating genomic data under gene-environment interplay Brad Verhulst; Michael Neale; Lindon Eaves	
14:15	Statistical pitfalls in the genetic analysis of multiple disorders in psychiatric genetics Michael Miller	
14:30	Multivariate gene-based genome-wide association analysis Sophie van der Sluis; Danielle Posthuma; Conor Dolan*	*presenter

13:15 - 14:45	Paper Session: Inattention, Disinhibition & ADHD Chair: Irwin Waldman	Amphi Mathématiques Physique
13:15	Gene-based analyses of attention deficit hyperactivity disorder (ADHD) GWAS data Irwin Waldman	
13:30	Classification of varying genetic expression and structure within adolescent monozygotic and dizygotic twins discordant for high and low attention and activity Jane Ebejer; Sarah Medland; Nick G. Martin; Margaret Wright; Grant Montgomery; Joseph Powell; Peter Visscher; David Duffy	
13:45	Meta-analysis of genome-wide association studies on ADHD: A dimensional approach (T) Maria Groen-Blokhuis; Andrew Whitehouse; Henning Tiemeier; Irene Pappa; Astanand Jugessur; Matthew McGue; Anke Hinney; Beate St. Pourcain; Carla Tiesler; Maciej Trzaskowski; Mariona Bustamante; Christel Middeldorp; Dorret Boomsma; EAGLE consortium	
14:00	The heritability of clinically diagnosed Attention-Deficit/Hyperactivity Disorder in children and adults Henrik Larsson; Zheng Chang; Brian D'Onofrio; Paul Lichtenstein	
14:15	Maternal age at childbirth and risk for ADHD in offspring (T) Zheng Chang; Paul Lichtenstein; Niklas Långström; Brian D'Onofrio; Henrik Larsson	
14:30	Genetic effects and maternal smoking during pregnancy on behavioral disinhibition: A population-based cohort study Taylor Smith; Rohan Palmer; Valerie Knopik	

14:45 - 15:05	Coffee / Tea Break	Garden in front of Amphi Mathématiques Physique
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15:05 - 17:00	Symposium: The International Network of Twin Registries Organizers: Jennifer Harris & Jaakko Kaprio	Amphi Sciences Naturelles
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Large samples of twin data are essential for research aimed at elucidating factors underlying normal and disease development and to accelerate genomic and post-genomic discoveries. Within the International Society of Twin Studies we have established a working group to promote an International Network of Twin Registries (INTR). The main purpose of the INTR is to foster scientific collaborations and promote twin research through the development of sustainable and shared research resources. Harmonization and the development of tools that facilitate data sharing and the co-analysis of data are central to this endeavor and some of this is already ongoing in twin-study collaborations. In order to build the INTR it is important to build upon the experiences and solutions of these projects. This symposium will provide an overview of the INTR goals and activities to date. The presentations feature harmonization approaches, findings and methods for analyzing data across multiple twin cohorts that are being undertaken in several projects. An open discussion will provide opportunities to share ideas for further development of the INTR.

15:05	Introduction Jennifer Harris
15:15	Summary from 2nd INTR Consortium meeting Joohon Sung
15:30	Harmonizing measures of depressive symptoms: the IGEMS consortium Margaret Gatz
15:45	Can we estimate the same personality traits if different inventories have been assessed in multiple cohorts? An application of Item Response Theory in 28 cohorts Marleen de Moor; Stéphanie van den Berg; Dorret Boomsma
16:00	CODATwins consortium: A new project for understanding macro-environmental variation in genetic and environmental effects Karri Silventoinen; Jaakko Kaprio
16:15	DataSHIELD as a way to co-analyze data without physically sharing data: opportunities for twin analyses with OpenMx Julia Isaeva; Jennifer Harris
16:30	The Nordic Twin Cancer (NorTwinCan) project Jaakko Kaprio; Jennifer Harris
16:45	Open Discussion

15:05 - 16:35	Paper Session: Politics, Economics, Culture & Social Behavior Chair: Christian Kandler	Amphi Mathématiques Physique
15:05	Manipulation tactics and basic psychological needs Ana Butkovic; Tena Vukasovic; Denis Bratko	
15:20	The comparative study of culture and conformity in humans and non-human animals Nicolas Claidiere	
15:35	Their genes are your environment: Social genetics of breeding behavior in birds Mark Adams; Matthew Robinson; Ben Hatchwell	
15:50	Etiology of correlations between subjective impressions of faces and measures of personality and IQ (T) Theresa Adams; Dorian Mitchem; Matthew Keller	
16:05	Partisan attachment and political orientations Edward Bell; Christian Kandler	
16:20	The genetic sources of core political attitudes and the role of personality traits: A cross-cultural twin study Christian Kandler; Edward Bell; Chizuru Shikishima; Shinji Yamagata; Rainer Riemann	
17:15	Tour of Old Marseille (registration closed)	Meet in front of campus entrance

Sunday, June 30

8:00 – 9:00	Registration Open	Garden in front of Amphi Mathématiques Physique
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9:00 - 10:15	Symposium: Genetically-Informed Studies of Marriage, Family, and Well-Being Organizers: Christopher Beam & Briana Horwitz Discussant: Erica Spotts	Amphi Sciences Naturelles
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This symposium examines how genes and environments work together to explain the health benefits of marriage. The first presentation, by Beam et al., examines whether the genetic and environmental influences on life satisfaction, psychological well-being, and emotional well-being depend on differences in marital satisfaction. The second presentation tests the hypothesis that marriage buffers against the genetic effects of perceived stress on depressive symptoms. Third, Johnson et al. combine twin methodology with a longitudinal design to examine the prospective effects of parent relationship quality on offspring psychopathology. The fourth presentation (Horwitz et al.) uses a sample of twins and their spouses to examine assortative mating effects, including whether phenotypic preference and social homogamy explain partner similarity for traits reflecting partner bonding behaviors.

9:00	Marital status moderation of the genetic covariance between stress and depression (T) Christopher Beam; Diana Dinescu; Robert Emery; Eric Strachan; Eric Turkheimer	
9:15	Marital satisfaction and well-being: Moderation of genetic and environmental influences differs depending on type of well-being Susan South	
9:30	Parent relationship quality and offspring psychopathology (T) Daniel Johnson; Soo Rhee; Mark Whisman; Michael Stallings; Robin Corley; John Hewitt	
9:45	Do partners assort for traits reflecting pair-bonding behaviors? Briana Horwitz; Chandra Reynolds; Erica Spotts; Jody Ganiban; Paul Lichtenstien; David Reiss; Jenae Neiderhiser	
10:00	Discussion – Erica Spotts	

9:00 - 10:15	Paper Session: Anxiety and Affective Disorders Chair: Nick Martin	Amphi Mathématiques Physique
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9:00	Trying to crack the molecular genetics of depression Nick Martin	
9:15	Genetic risk scores for depression: Comparison of gene, pathway and genome-wide approaches Jaime Derringer; Matthew McQueen; John Hewitt	
9:30	Parental bipolar disorder and adverse outcomes in offspring: Exploring mechanisms using a cousin-comparison design (T) Amir Sariaslan; Mikael Landen; Brian D’Onofrio; Paul Lichtenstein	
9:45	Anxiety, depression and sick leave due to various diagnoses: A population-based study of young adult Norwegian twins Fartein Ask Torvik; Line Gjerde; Gun Peggy Knudsen; Ted Reichborn-Kjennerud; Espen Røysamb; Nikolai Czajkowski; Kristian Tambs; Ragnhild Ørstavik	
10:00	Examining the intergenerational transmission of anxiety in a genetically informative design: A children-of-twins study Tom McAdams; Fruhling Rijsijk; Jurgita Narusyte; Jody Ganiban; Erica Spotts; David Reiss; Jenae Neiderhiser; Paul Lichtenstein; Thalia Eley	

10:15 - 10:35	Coffee / Tea Break	Garden
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10:35 - 11:35	Dobzhansky Award Lecture: Matt McGue	Amphi Sciences Naturelles
	<p><i>General cognitive ability and social inequality: A behavioral genetic perspective</i> Dr. McGue is Professor of Psychology, University of Minnesota. In 2011 he received the Dobzhansky Award, the highest honor given by the Behavior Genetics Association.</p>	

11:40 - 13:10	Paper Session: Stress, Resilience and Well-Being Chair: Meike Bartels	Amphi Sciences Naturelles
11:40	<p>Early childhood adversity and adolescent violence: A dual methods approach to G x E interactions Jane Mendle; Rebecca Ryan; Marie Carlson; Sarah Moore; Kathryn Harden</p>	
11:55	<p>Stressful family environments during infancy and child sleep trajectories from 18 months to 6 years: Associations with biological parent sleep problems and internalizing Kimberly Rhoades; Leslie Leve; Jenae Neiderhiser; Gordon Harold; Daniel Shaw; Misaki Natsuaki; Jody Ganiban; David Reiss</p>	
12:10	<p>Offspring death and subsequent psychiatric morbidity in bereaved parents: addressing mechanisms in a total population cohort (T) Therese Ljung; Sven Sandin; Niklas Långström; Bo Runeson; Paul Lichtenstein; Henrik Larsson</p>	
12:25	<p>Sources of covariation between marital status and depressive symptoms across the lifespan: A genetically informative study of Swedish twins (T) Erin Horn; Eric Turkheimer; Robert Emery</p>	
12:40	<p>A longitudinal investigation of psychiatric resilience in twins Ananda Amstadter</p>	
12:55	<p>Genome-wide association meta-analyses for happiness, satisfaction with life and overall well-being Meike Bartels; Aysu Okbay; Erasmus; Jaime Derringer; Jan-Emmanuel De Neve; Cornelius Rietveld; Camelia Minica; Raymond Walters; Bob Krueger; David Cesarini; Phillipp Koellinger; Daniel Benjamin</p>	

11:45 - 13:00	Paper Session: Outcomes of Tobacco and Cannabis Exposure: Consequences or Correlates? Chair: Valerie Knopik	Amphi Mathématiques Physique
11:45	<p>A longitudinal investigation of cannabis use in adolescence and subsequent cognitive decline Daniel Irons; Lisa Legrand; William Iacono; Matt McGue</p>	
12:00	<p>Is the relationship between cannabis use and educational attainment causal or due to common liability? Karen Verweij; Michael Lynskey; Arpana Agrawal; Nick Martin; Anja Huizink</p>	
12:15	<p>Smoking during adolescence as a risk factor for attention problems in adulthood (T) Jorien Treur; Gonneke Willemsen; Meike Bartels; Catherina van Beijsterveldt; Dorret Boomsma; Jacqueline Vink</p>	
12:30	<p>Prenatal active or passive tobacco smoke exposure and the risk of child externalising problems: Evidence from a genetically-sensitive research design Darya Gaysina; Jenae Neiderhiser*; Leslie Leve; David Reiss; Jody Ganiban; Daniel Shaw; Misaki Natsuaki; Gordon Harold *presenter</p>	
12:45	<p>Genes, maternal smoking during pregnancy and child internalizing problems: An investigation using ALSPAC Valerie Knopik; Taylor Smith; Rohan Palmer</p>	

13:10-14:10	Lunch (Provided)	Garden
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14:10 - 15:40	Paper Session: Advances in Measurement & Methodology Chair: Dorret Boomsma	Amphi Sciences Naturelles
14:10	Linking PALGA and NTR: Information on chorionicity in multiples from the Netherlands Twin Register Dorret Boomsma; Tina Glasner; Minni McMaster; Lucy Overbeek; Toos van Beijsterveldt; Jacqueline Vink	
14:25	NLSY Kinship Links: Creating biometrical design structures from cross-generational data William Beasley; David Bard; Michael Hunter; Kelly Meredith; Joseph Rodgers	
14:40	Genetic factor scoring from common and independent pathway models Ryne Estabrook; Michael Neale	
14:55	New developments in OpenMx: Applications to substance use and abuse Michael Neale; Ryne Estabrook; Nathan Gillespie; Elisabeth Hahn; Steven Aggen	
15:10	Weighing information from item data in GWAS meta-analyses Stéphanie van den Berg; Marleen de Moor; Inga Schwabe; Jean-Paul Fox; Cees Glas	
15:25	Assessing genetic influences on human behavior: An analytical and empirical investigation of informant and context dependency of heritability Kees-Jan Kan; Tina Glasner; Toos van Beijsterveldt; Meike Bartels; Dorret Boomsma	

14:10 - 15:40	Paper Session: Cognitive Development and Autism Spectrum Chair: Soo Rhee	Amphi Mathématiques Physique
14:10	The longitudinal association between temperament in toddlerhood and executive functions in late adolescence (T) Ashley Smith; Soo Rhee; Naomi Friedman; Robin Corley; John Hewitt; JoAnn Robinson	
14:25	Biometric nonlinear growth curves for cognitive development among NLSY children and youth David Bard; Michael Hunter; William Beasley; Joseph Rodgers; Kelly Meredith	
14:40	Stability in profiles of infant temperament: Associations with reading achievement and specific genetic and environmental influences (T) Charles Beekman; Jenae Neiderhiser; Misaki Natsuaki; David Reiss; Daniel Shaw; Jody Ganiban; Leslie Leve	
14:55	Language and autistic traits are aetiologically distinct: Evidence from a community-based twin study Mark Taylor; Tony Charman; Elise Robinson; Marianna Hayiou-Thomas; Philip Dale; Angelica Ronald	
15:10	Different neurodevelopmental symptoms have a common genetic etiology Paul Lichtenstein; Erik Pettersson	
15:25	Common genetic influences identify cognitive and behavioral networks in the Philadelphia Neurodevelopmental Cohort Elise Robinson; Mark Daly; Andrew Kirby; Kosha Ruparel; Haijun Qiu; Thomas Lehner; Ruben Gur; Hakon Hakonarson; Raquel Gur	

15:45 - 17:15	Paper Session: Externalizing Psychopathology in Childhood & Adolescence Chair: Paul Lichtenstein	Amphi Sciences Naturelles
15:45	Gene-environment interplay between parent-child relationship quality and externalizing disorders in adolescence and young adulthood Diana Samek; Brian Hicks; Margaret Keyes; Jennifer Bailey; Matt McGue; William Iacono	
16:00	ADHD, externalizing behavior and substance use; a cross-lagged model using multiple phenotypes, time-points, and measurements (T) Ralf Kuja-Halkola; Henrik Larsson; Brian D'Onofrio; Niklas Långström; Paul Lichtenstein	
16:15	The etiology of risky sexual behavior (T) Brooke Huibregtse; Robin Corley; John Hewitt; Christian Hopfer; Michael Stallings	
16:30	A longitudinal twin study of physical aggression in infancy: Evidence for a developmentally dynamic genome Eric Lacourse; Mara Brendgen; Amelie Petitclerc; Alain Girard; Stéphanie Paquin; Isabelle Ouellet-Morin	
16:45	Cohort and sex effects on adolescent problem behaviors and their heritability Päivi Merjonen; Meike Bartels; Dorret Boomsma	
17:00	The genetic etiology of attentional control and anxiety in adolescence Jeffrey Gagne; Deirdre O'Sullivan; Nicole Schmidt; Catherine Spann; Hill Goldsmith	

15:45 - 17:30	Paper Session: Aging, Health and Exercise Chair: Deborah Finkel	Amphi Mathématiques Physique
15:45	Gender differences in genetic and environmental influences on trajectories of change in motor functioning in late adulthood Deborah Finkel; Marie Ersth-Bravell	
16:00	Estimating the contribution of the functional IL6R polymorphism rs2228145, eQTLs and other genome-wide SNPs to the heritability of serum sIL-6R levels (T) Jenny van Dongen; Rick Jansen; Dirk Smit; Jouke-Jan Hottenga; Hamdi Mbarek; Gonneke Willemsen; Cornelis Klufft; Brenda Penninx; Manuel Ferreira; Dorret Boomsma; Eco de Geus	
16:15	Confirmatory genetic factor analysis of the metabolic syndrome in the Vietnam Era Twin Study of Aging Jeanne McCaffery; Matthew Panizzon; Carol Franz; Kelly Spoon; Richard Hauger; Megan Sailors; William Kremen; Michael Lyons	
16:30	Maximal oxygen uptake and exercise behavior: A genetic perspective (T) Nienke Schutte; Meike Bartels; Ineke Nederend; Eco de Geus	
16:45	The longitudinal relationship between leisure time exercise behavior and body mass index in 7 to 18-year old twins Charlotte Huppertz; Meike Bartels; Catherina van Beijsterveldt; Gonneke Willemsen; Dorret Boomsma; Jim Hudziak; Eco de Geus	
17:00	Sex differences in the genetic covariation between height and weight Julia Isaeva; Jennifer Harris	
17:15	Sharing genetic variance between ethnicities for height and BMI? A study of the factors influencing SNP-correlations (T) Teresa de Candia; Matthew Keller	

<p>17:30-20:00</p>	<p style="text-align: center;">Poster Session & Reception</p> <p><i>Presenters of: odd-numbered posters should be at their posters 17:30-19:00; even-numbered posters should be at their posters 18:30-20:00.</i></p> <p>“T” indicates presenter is eligible for Thompson Award (based on self-nomination); “R” indicates eligible for Rowe Poster Award (all student members presenting posters are eligible)</p> <p><i>Posters should be put up by 17:15 and removed after the session. Maximum size is 1 meter wide x 2 meters high, Velcro dots provided</i></p>	<p>Conference Hall, Building 3</p>
<p>1</p>	<p>Psychological adaptation: Molecular genetic analysis Margarita Alfimova; Yulia Chertkova; Marina Egorova; Oxana Parshikova; Svetlana Pyankova</p>	
<p>2</p>	<p>Phenotypic and genetic relationships among short-term memory, working memory, and intelligence. (R) Lee Altamirano; John Hewitt; Naomi Friedman</p>	
<p>3</p>	<p>Long-term genetic effects of working memory on cognition and personality in adolescence and adulthood: A 14-year longitudinal study of twins. Juko Ando; Chizuru Shikishima; Nobuhiko Kijima; Kai Hiraishi; Yusuke Takahashi; Shinji Yamagata</p>	
<p>4</p>	<p>Predicting individual differences in executive functions with a genetic risk score for behavioral disinhibition (T, R) Chelsie Benca; Naomi Friedman; Jaime Derringer; Robin Corley; Susan Young; John Hewitt</p>	
<p>5</p>	<p>Analysis of oxytocin receptor gene as a putative component of social behavior in family dogs Melinda Bence; Zsuzsanna Elek; Anna Kis; Enikő Kubinyi; Gabriella Lakatos; Ádám Miklósi; Enikő Pergel; Zsolt Rónai</p>	
<p>6</p>	<p>Investigating the reaction range of children’s cognitive ability Angela Brant; Jenae Neiderhiser; David Reiss; Misaki Natsuaki; Daniel Shaw; Leslie Leve</p>	
<p>7</p>	<p>Subclinical psychotic experiences in the general population: Associations with stress and genetic predisposition Dagmar Bruenig; Melanie White; Joanne Voisey</p>	
<p>8</p>	<p>Shifting genetic and environmental influences on religiousness (R) Bridget Carey; Robert Kirkpatrick; William Iacono; Matt McGue</p>	
<p>9</p>	<p>Sex specific associations between OXTR polymorphisms and altruistic helping behavior, perspective taking and empathic concern (T, R) Christa Christ</p>	
<p>10</p>	<p>Teacher-rated educational achievement in twins in primary school (R) Eveline de Zeeuw; Catherina van Beijsterveldt; Tina Glasner; Eco de Geus; Dorret Boomsma</p>	
<p>11</p>	<p>Heritability of subcortical brain measures: a perspective for future genome-wide association studies Anouk den Braber; Marc M Bohlken; Rachel Brouwer; Dennis van 't Ent; Ryota Kanai; Rene S. Kahn; Eco de Geus; Hilleke Hulshoff Pol; Dorret Boomsma</p>	

12	Associations between marital status and drinking behavior: a genetically informed study (R) Diana Dinescu; Christopher Beam; Erin Horn; Robert Emery; Eric Turkheimer
13	Facial phenotype linked to one genetic disease and wrong face-based judgement on behavioral phenotype (intelligence). The emblematic case of the trisomy 21 Claire Enea-Drapeau; Michèle Carlier; Pascal Huguet
14	Inhibitory control and behavior problems at 36 months Jeffrey Gagne; Kimberly Saudino
15	Sources of individual differences in executive function deficits and their covariation with social and emotional dysregulation: Evidence from a young twin sample (T, R) Juliana Gottschling; Elisabeth Hahn; Frank Spinath; Frederick Coolidge
16	TWINLIFE: A longitudinal cross-sequential study on genetic and social causes of life changes (T, R) Elisabeth Hahn; Juliana Gottschling; Martin Diewald; Rainer Riemann; Frank Spinath
17	Effects of ADHD-related stimulant use (T, R) Nayla Hamdi; Scott Burwell; William Iacono
18	Genetic and environmental influences on alcohol use problems: Moderation by romantic partner support, but not family or friend support (T, R) Amber Jarnecke; Susan South
19	Effect size and model selection considerations for bootstrapping the lasso (R) Charles Laurin; Gitta Lubke
20	Genetic and environmental influences on processing speed, executive functions, and general cognitive ability: Findings from the Older Australian Twins Study Teresa Lee; Margaret Wright; David Ames; Perminder Sachdev (T,R)
21	Welfare effects of increasing borrowing limit in the presence of self-control problem Li Li
22	The heritability of a "General Factor of personality" and other personality dimensions John Loehlin
23	Authoritarianism as a personality trait: Evidence from a longitudinal behavior genetic study (T, R) Steven Ludeke; Bob Krueger
24	A social shield against divorce: A genetically informed study of social support as a buffer against adverse outcomes associated with parental divorce (R) Mika Nomura; Erin Horn; Eric Turkheimer; Robert Emery
25	A co-twin control design examining socialization versus genetic selection effects in the association between body-conscious peer groups and disordered eating Shannon O'Connor; S. Alexandra Burt; Kelly Klump (T, R)
26	Investigating internalizing disorders as a gene-environment interaction: Candidate genes and parental control (T, R) Justyne Ortquist; Ashlea M. Klahr; Kelly Klump; S. Alexandra Burt
27	Testing the differential heritability hypothesis from the developmental taxonomy of physical aggression during childhood (T, R) Stéphane Paquin; Eric Lacourse; Mara Brendgen

28	On the association of common polygenic variation with smoking behavior across adolescent development (R) Roseann Peterson; Judy Silberg; Lindon Eaves; Hermine Maes
29	Applying visual recognition software to yearbook photographs to assign zygosity of twin pairs in Project TALENT Carol Prescott; Xiaokun Xu; Deanna Lyter Achorn; Susan Lapham; Lindsey Mitchell; Ashley Kaiser; Irving Biederman
30	Gene-environment correlation (rGE): An investigation of the association between the dopamine transporter gene (DAT1) polymorphism and childhood experiences of abuse. (T, R) Wail Rehan; Kenneth Sandnabba; Ada Johansson; Pekka Santtila
31	GxE contributions to cognitive aging: An MZ twin pair comparison Chandra Reynolds; Nancy Pedersen
32	Wide genome transcriptional analysis of the hippocampus in segmental models of trisomy 21 (Down syndrome) presenting learning impairment and atypical brain morphometry. Pierre Roubertoux; Nathalie Baril; Véronique Vidal; Catherine Bartoli; Christophe Scajola; Sylvie Tordjman; Desmond Smith; Ed Rubin; Michèle Carlier
33	Enrollment in the Colorado Adoption Project: Are there birth parent differences between those who did and did not participate? Sally-Ann Rhea; Robin Corley
34	A longitudinal study of the association between activity level and attention problems in early childhood Kimberly Saudino; Manjie Wang; Philip Asherson
35	The association between attention problems and leisure time exercise behavior in children: A behavior genetics approach (R) Meghan Schreck; Robert Althoff; Charlotte Huppertz; Catherina von Beijsterveldt; Dorret Boomsma; Jim Hudziak; Eco de Geus; Meike Bartels
36	Genetic overlapping among intelligence, educational attainment, occupational status, marriage, and having children: Japanese female twins Chizuru Shikishima; Shinji Yamagata; Kai Hiraishi; Nobuhiko Kijima; Juko Ando
37	Genetic and environmental components of the relationship between the ASD triad and mental health problems measured by Strengths and Difficulties Questionnaire (SDQ) (R) Beata Tick; Fruhling Rijdsdijk; Fiona McEwen; Emma Colvert; Francesca Happé
38	GFP is heritable, but what is it? (R) Tena Vukasovic; Ana Butkovic; Denis Bratko
39	Development and education of formal and informal logical thinking ability: A Japanese twin study. Shinji Yamagata; Chizuru Shikishima; Kai Hiraishi; Juko Ando
40	Genetic and environmental structure of Cloninger's Temperament and Character dimensions: The Healthy Twin study (R) Sarah Yang; Joohon Sung

Monday, July 1

8:00 – 9:00	Registration Open	Garden in front of Amphi Mathématiques Physique
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9:00 - 10:15	Paper Session: Mechanisms for Variation in Cognition and Educational Attainment Chair: Michelle Luciano	Amphi Sciences Naturelles
9:00	Assessing gene-environment interaction in case of heterogeneous measurement error (T) Inga Schwabe; Stéphanie van den Berg	
9:15	Genome-wide association for reading and language abilities in two population cohorts Michelle Luciano; David Evans; Narelle Hansell; Sarah Medland; Grant Montgomery; Nick Martin; Margaret Wright; Timothy Bates	
9:30	Are SNPs associated with educational attainment also associated with cognitive function? Cornelius Rietveld; Philipp Koellinger; Daniel Benjamin; David Cesarini; George Davey-Smith; Gail Davies; Ian Deary; Magnus Johannesson; Robert Plomin; Danielle Posthuma; Peter Visscher	
9:45	Explaining sex differences in 3-D Mental Rotation Tasks (MRT) using dizygotic twins: From hormonal to cultural factors (negative stereotypes about women and spatial skills) Pascal Huguet; François Maltese; Dorret Boomsma; Michèle Carlier	
10:00	Educational policy and the heritability of educational attainment. Sex differences Maria-Jesus Tornero-Gomez; Lucia Colodro; Juan Sanchez-Romera; Eduvigis Carrillo; Fruhling Rijdsdijk; Juan Ordonana	

9:00 - 10:30	Paper Session: Sex, Hormones and Fertility Chair: Kelly Klump	Amphi Mathématiques Physique
9:00	The significant effects of ovarian hormones on genetic risk for binge eating Kelly Klump; Alexandra Burt; Michael Neale; Cheryl Sisk; Steven Boker; Pamela Keel	
9:15	Genetic analysis of male and female twins does not support the “indirect benefits” account of masculine male face shape Brendan Zietsch; Anthony Lee; Dorian Mitchem; Margaret Wright; Nick Martin; Matthew Keller	
9:30	Estimating the sex-specific effects of genes on facial attractiveness and sexual dimorphism Dorian Mitchem; Alicia Purkey; Nicholas Grebe; Greg Carey; Christine Garver-Apgar; Timothy Bates; Rosalind Arden; John Hewitt; Sarah Medland; Nick Martin; Brendan Zietsch; Matthew Keller	
9:45	The heritability of advancing parental ages (T) Emma Frans	
10:00	Is the age at first birth in the genes? A study of female UK twins (T) Felix Tropf; Nicola Barban; Melinda Mills; Harold Snieder; Jornt Mandemakers	
10:15	Testosterone and risk preference in adolescent males and females Kathryn Harden; Jennifer Tackett; Elliot Tucker-Drob	

10:30 - 10:50	Coffee / Tea Break	Garden
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10:50 - 12:20	Symposium: Genes and Autistic Spectrum Disorders (ASDs): Where Are We? Organizer: Pierre Roubertoux	Amphi Sciences Naturelles
<p><i>Several lines of evidence indicate ASD are brain disorders and genetic factors contribute to most ASD cases. There is a consensus that ASD are etiological heterogeneous. The lack of success of GWS strategy with autism is probably the consequence of a large number of mutations each associated with few autistic patients. HTS and UHTS have recently associated more than 40 mutations, chromosomal micro deletions and duplications or various genetic events with ASD. Additionally, the prevalence of ASDs is higher in several syndromes than in the general population. These observations lead to several questions: 1) The 5th version of the Diagnostic and Statistical Manual of Mental Disorders (DSM-V) revisits the diagnostic criteria and amends the list of pervasive development disorders. Does this change the prevalence of ASD? Does it change the prevalence of syndromic autism? 2) What are the frequencies of syndromic autism and of non-syndromic autism associated now with genes? 3) ASDs have different etiology and a large clinical variability. What unifies the diagnosis in patients who do not share the same genetic events? Are there common mechanisms in fragile X and Smith-Lemli-Opitz in which a high prevalence of ASD has been reported? The five speakers address these questions from different research programs, but all share a common feature: they work on autism and publish in human and in animal genetics.</i></p>		
10:50	New DSM criteria: Consequences for diagnosis and epidemiology Gene Fisch	
11:05	Common features, different clinical forms and different etiology Sylvie Tordjman	
11:20	Autism and genes associated with synaptic functioning Thomas Bourgeron	
11:35	ASD and the Teashirt Family Zinc Finger 3 (TSHZ3) gene: Translational approach Laurent Fasano	
11:50	Comparative interactive pathways of genes associated with autism: A proteomic profiling Pierre Roubertoux	
12:05	Discussion	
10:50 - 12:20	Paper Session: Risk for Substance Use Initiation and Substance Use Disorders Chair: Hermine Maes	Amphi Mathématiques Physique
10:50	Role of nonsynonymous exomic variants in behavioral disinhibition and substance use Scott Vrieze; Shuang Feng; Nathan Pankratz; Michael Miller; William Iacono; Goncalo Abecasis; Matt McGue	
11:05	Causes of smoking initiation across adolescence: Genes or shared environment Hermine Maes	
11:20	SNPs and smoking: What can the aggregate of genome-wide SNPs tell us about genetic liability to smoking initiation and quantity smoked? (T) Amanda Wills; Matthew Keller	
11:35	Differential gene expression patterns in smokers and non-smokers – Cause or consequence? Jacqueline Vink; Rick Jansen; Andy Brooks; Jay Tischfield; Gonneke Willemsen; Eco de Geus; Fred Wright; Brenda Penninx; Dorret Boomsma	
11:50	Estimation of the genetic covariance among DSM-IV symptoms of alcohol dependence using common causal variants Rohan Palmer; Matthew Keller; John McGeary; Andrew Heath; Valerie Knopik	
12:05	Do, or do not. There is no try: Genome-wide meta-analysis of age of first alcohol use and first weekly use in the GEDI YODA datasets Shaunna Clark	

MONDAY, JULY 1 con't

12:20-13:40	<p align="center">Business Meeting * & Lunch (provided)</p> <p>Pick up lunch in Garden in front of Amphi Mathématiques Physique *members only</p>	Amphi Sciences Naturelles
13:45 - 14:45	<p>Lightning Round #1: Mostly Cognition Chair: Timothy Bates</p>	Amphi Sciences Naturelles
13:45	<p>"Memory is memory" Or is it? A multivariate twin analysis of episodic memory in middle-age men Carol Franz; Matthew Panizzon; Eero Vuoksimaa; Michael Lyons; William Kremen</p>	
13:52	<p>Disease expression based on inheritance in Parkinson's Disease Carol Manning; Erin Horn; Madaline Harrison; G. Frederick Wooten; Eric Turkheimer</p>	
13:59	<p>Do working memory span and updating tasks measure the same thing? A twin study Naomi Friedman; John Hewitt</p>	
14:06	<p>Bridging behavior genetics and social psychology of cognition: The French and Dutch Twin Study Michèle Carlier; Pascal Huguet; Tinca Polderman; Dorret Boomsma</p>	
14:13	<p>Social comparison orientation: A new perspective in the study of co-twin relationships Pascal Huguet; Michèle Carlier; Felice van Wegen; François Maltese; Dorret Boomsma</p>	
14:20	<p>Can twin methods be trusted? Molecular genetic investigation (T) Maciej Trzaskowski; Robert Plomin</p>	
14:27	<p>Latent growth in IQ from age 2 to 16 years Sophie von Stumm; Robert Plomin</p>	
14:34	<p>Genetic and environmental influences on the relationship between different measures of musical ability and IQ Miriam Mosing; Guy Madison; Nancy Pedersen; Fredrik Ullén</p>	
13:45 - 14:45	<p>Lightning Round #2: Personality, Attitudes and Abnormal Behavior Chair: Michael Pogue-Geile</p>	Amphi Mathématiques Physique
13:45	<p>Personality similarity in unrelated look-alike individuals: Constructive replication and social attraction Nancy Segal; Jamie Graham</p>	
13:53	<p>Normal and abnormal human behavior: The epigenetic perspective Art Petronis</p>	
14:01	<p>Basic psychological needs and life satisfaction: Behavioral genetic analysis Denis Bratko; Ana Butkovic; Tena Vukasovic</p>	
14:09	<p>Understanding the genetics of impulsivity: further evidence for heritability of delay discounting Andrey Anokhin; Semyon Golosheykin</p>	
14:17	<p>The genetic and environmental contributions involved in cigarette smoking across late adolescent and young adult development Elizabeth Prom-Wormley; Hermine Maes</p>	
14:25	<p>Smoking and long-term labor market outcomes Petri Böckerman; Ari Hyttinen; Jaakko Kaprio</p>	
14:33	<p>GWA studies on entrepreneurship: The trade-off between phenotypes accuracy and sample size Philipp Koellinger; Matthijs van der Loos; Cornelius Rievelde; Daniel Benjamin; David Cesarini; Niina Eklund; Sara Willems; Patrick Groenen; Andre Uitterlinden; Albert Hofman; Roy Thurik; Gentrepreneur Consortium</p>	

MONDAY, JULY 1 con't

14:50 - 16:20	Symposium: Using a Parent-Offspring Adoption Design to Advance the Understanding of Genetic and Environmental Influences on Child Development Organizer: Jenae Neiderhiser Discussant: Matt McGue	Amphi Sciences Naturelles
<p><i>This symposium will present work from the ongoing Early Growth and Development Study (EGDS). The EGDS is a longitudinal study of 551 birth parents and adoptive families, linked through a child adopted at birth. We will describe three inter-related areas of study on EGDS: (1) separating the role of genetic, prenatal drug exposure, and rearing environment influences on child development; (2) examining gene-environment interplay during the school-entry period of development; and (3) disentangling prenatal, genetic, and rearing environmental influences on child healthy and unhealthy weight development across childhood. The three talks will cover each of these areas, focusing on the unique contributions facilitated by the adoption design. The discussant, Matt McGue, will link this work to the larger body of adoption studies and quantitative genetic research on child development.</i></p>		
14:50	Links between birth parent substance use and toddler behavior Jenae Neiderhiser; Charles Beekman; Leslie Leve; Daniel Shaw; Jody Ganiban; David Reiss	
15:15	Perceived parenting stress among adoptive parents: Associations with biological parent criminality Leslie Leve; Jenae Neiderhiser; Gordon Harold; Daniel Shaw; Misaki Natsuaki; Jody Ganiban; David Reiss	
15:40	Changes in children's weight status across preschool: Genetic, prenatal, and environmental influences Jody Ganiban; Kristine Marceau; Briana Horwitz; Samuel Simmens; Misaki Natsuaki; Jenae Neiderhiser; David Reiss; Daniel Shaw; Leslie Leve	
16:05	Discussion Matt McGue	

14:50 - 16:05	Paper Session: Personality and Personality Disorders Chair: Marleen de Moor	Amphi Mathématiques Physique
14:50	Genome-wide analyses of borderline personality features suggest heterogeneity Gitta Lubke	
15:05	A population-based twin study of the relationship between anxiety disorders and dimensional representations of personality disorders Audun Welanders-Vatn; Eivind Ystrom; Kristian Tambs; Kenneth Kendler; Ted Reichborn-Kjennerud; Gun Peggy Knudsen	
15:20	Personality disorders and long-term sick leave: A population-based study of young adult Norwegian twins (T) Line Gjerde; Espen Røysamb; Nikolai Czajkowski; Gun Peggy Knudsen; Kristian Østby; Krsitian Tambs; Kenneth Kendler; Ted Reichborn-Kjennerud; Ragnhild Ørstavik	
15:35	Big Five personality traits: Psychological entities or statistical constructs? (T) Sanja Franic; Denny Borsboom; Conor Dolan; Dorret Boomsma	
15:50	Finding genetic loci for neuroticism and extraversion: Results from the Genetics of Personality Consortium (GPC) Marleen de Moor; Stéphanie van den Berg; Dorret Boomsma; GPC	

MONDAY, JULY 1 con't

16:30	Executive Committee Meeting II	Salle de conférence du Pôle 3, Building 5
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18:30	Cocktails & Amuses Gueules	Fort Ganteaume
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19:30- 22:00	Conference Banquet & Award Presentations	Fort Ganteaume
	Presidential Address: Eric Turkheimer <i>Genetics of Personality: The Gloomy Chickens Come Home to Roost</i>	
	Award Presentations	

**Note: Fort Ganteaume is located about 30 minutes from the conference venue.
Please arrive before 19:30 in order to be seated for dinner.**

Tuesday, July 2

Festschrift for Professor Norman Henderson

Aix Marseille University

Campus Saint Charles

Amphi Mathématiques Physique (Building 9)

<i>Norm the Scientist</i>	
9:00	Welcome : Carol Prescott
9:15	Jonathan Flint <i>Finding quantitative genes for fear-related behavior in rodents</i>
9:45	Sheri Berenbaum <i>Honoring Norm by honoring phenotypes and pathways: The example of psychological sex differences</i>
10:15	Wim Crusio <i>To boldly go where Norman went before: Exploring the genetics of exploration in mice</i>
10:45	Coffee/Tea Break
11:10	Tamara Phillips <i>Genetic factors involved in risk for methamphetamine intake</i>
<i>Norm the Teacher</i>	
11:40	Michael Marks
11:55	James Jones
12:10	Chuck Snowdon (audio)
12:15	Jennifer Harris
12:30	The FEAST
<i>Norm the Mentor</i>	
14:00	Valerie Knopik
14:10	Andy Smolen & Toni Smolen
14:20	Sally-Ann Rhea
<i>Norm the Colleague</i>	
14:30	David Blizard
14:40	Michèle Carlier
14:50	John Loehlin
15:00	Jack McArdle
15:10	Pierre Roubertoux
15:20	Tom Bouchard
15:30	<i>Norm Speaks</i>

Venues

The Banquet is at Fort Ganteaume.

The Fort is located about 30 minutes distance from the campus.

Please arrive no later than 19:30 to be seated for dinner.

How to go :

- Walking distance (15 -20 min) from metro station *Vieux Port*

- from metro station *Vieux Port*: line 83 *CANEBIERE VIEUX PORT-METRO ROND POINT DU PRADO*; bus stop *Fort Saint Nicolas*

- from bus stop *Faculté Saint Charles*: line 82S *SAINT CHARLES-PHARO CATALANS*; bus stop *Fort Saint Nicolas*

Consult: <http://www.rtm.fr/en> for schedule and maps

How to survive on campus Saint Charles

Keep always your nametag. It will help you : 1) to obtain your lunch 2) to pass the gate on week end.

(ask Pierre if you lose it)

Persons with special diet must show to the waiters the special card given at the registration desk

Coffee break and lunch will be served outside in front of Amphi Math-Physique.

If you have any question, ask the organizers a red dot on the tag

Please look at latest news on the Meeting website to know program modifications

Use your individual code to reach the Wifi

How to survive out of campus Saint Charles?

Avoid gold necklace, bracelet, and earrings; take care of your bag and of your billfold...

Marseille is a big town...