Behavior Genetics Association
2006 Annual Meeting
The purpose of the Behavior Genetics Association is to promote scientific study of the interrelationship of genetic mechanisms and behavior, both human and other 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 BGA Secretary, Michael Stallings, Institute for Behavioral Genetics, University of Colorado, Boulder, CO 80309, USA (Michael.Stallings@Colorado.Edu) or the BGA website (www.BGA.org).

**EXECUTIVE COMMITTEE**

- **President**: H. Hill Goldsmith
- **President-Elect**: Laura Baker
- **Past President**: Michele Carlier
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- **Member-at-Large**: Jenae Neiderhiser
- **Member-at-Large**: Danielle Dick
- **Member-at-Large**: Juko Ando

**2005-2006**

**2006-2007**

**LOCAL HOST**

Stephen Maxson, Ph.D.
Department of Psychology, University of Connecticut

The first meeting of the Behavior Genetics Association was held in 1971 at the University of Connecticut's main campus in Storrs, Connecticut, USA. The 36th annual Behavior Genetics Association Annual Meeting has returned to the Association's natal home at the University of Connecticut. Meeting participants will enjoy the peaceful beauty of this rolling-hills campus setting with all the advantages of New England's top ranked public university. As the host site of the 2006 Conference, the University is proud to showcase the results of "UCONN 2000", an unprecedented 10-year, $1 billion renovation and construction program to rebuild, renew, and enhance the University of Connecticut and its facilities.

**2006 MEETING INFORMATION**

This year's meeting will feature three keynote presentations and nearly 100 oral and poster presentations. All presentations will take place in the Rome Commons Ballroom, on the second level of the Rome Commons building. An opening reception will be held at the Nathan Hale Inn on the evening of Tuesday, June 20 at 6:00pm. An excursion is planned for Thursday afternoon, and a closing banquet is scheduled for 6:00pm on Saturday, June 24.
behavior genetics association

Past Presidents

1972 Th. Dobzhansky
1973 John L. Fuller
1974 Gerald E. McClearn
1975 J. P. Scott
1976 Irving J. Gottesman
1977 W.R. Thompson
1978 Lee Ehrman
1979 V. Elving Anderson
1980 John C. Loehlin
1981 Norman D. Henderson
1982 John C. DeFries
1983 David W. Fulker
1984 Steven G. Vandenberg
1985 Sandra Scarf
1986 Ronald S. Wilson
1987 Peter A. Parsons
1988 Leonard L. Heston
1989 Robert Plomin
1990 Carol B. Lynch
1991 Lindon J. Eaves
1992 David A. Blizard
1993 Thomas J. Bouchard, Jr.
1994 Gaye Whitney
1995 James Wilson
1996 Nicholas Martin
1997 Nicholas Martin
1998 Norman Henderson
1999 Richard Rose
2000 John Hewitt
2001 Matt McGue
2002 Nancy Pedersen
2003 Andrew Heath
2004 Michelle Carlier
2005 H. Hill Goldsmith

Local Hosts

1971 R. Osborne/B Ginsburg–Storrs CT
1972 G.E. McClearn–Boulder CO
1973 W.S. Politzer–Chapel Hill NC
1974 S. Scarf–Minneapolis MN
1975 J. Bruell–Austin TX
1976 J.C. DeFries–Boulder CO
1977 R. Wilson–Louisville KY
1978 T. Klein–Davis CA
1979 C. Lynch–Middletown CT
1980 R.D. Bock–Chicago IL
1981 L. Ehrman–Purchase NY
1982 Rose/Guttmann/Guttmann–Jerusalem
1983 D. Nabh–Ph Collins CO
1984 R. Rose–Bloomington IN
1985 G. McClearn–State College PA
1986 G. Ashton/R. Johnson–Honolulu HI
1987 L. Heston–Minneapolis MN
1988 S. Kerbusch–Nijmegen, Netherlands
1989 S. Scarf–Charlottesville VA
1990 P. Roubertoux–Auusois, France
1991 G. Vogler–St Louis MO
1992 J. Wilson–Boulder CO
1993 N. Martin–Sydney, Australia
1994 A. Fernandez-Teruel
1995 R.M. Escorihuela
1996 A. Toiena–Barcelona
1997 J. Meyer/L. Eaves–Richmond VA
1998 B. Jones–Pittsburgh PA
1999 Tony Vernon–Toronto, Canada
2000 James Hudziak–Burlington VT
2001 Thalia Eley–Cambridge UK
2002 Marianne Wamboldt–Keystone CO
2003 Andrew Heath–Chicago, USA
2004 P. Roubertoux–Aix-en-Provence, France
2005 L. Baker–Hollywood, CA, USA

Thompson Awardees

1977 Nancy Galvin
1978 Gregory Carey
1979 Marla Sokolowski
1981 Michael Pogue-Geile
1982 Paul Sharp
1983 Michael Neale
1984 Christine Michard & George Vogler
1985 Dorret Boomsma & Lucinda Miner
1986 David Harder
1987 J.S. de Belle
1988 Joanne Meyer
1989 Susan Parlour
1990 Lon Cardon & Philip Wellberg
1991 Abel Bult & Lawrence Rodriguez
1992 Deborah Finkel
1993 Hermine Maes
1994 Frans Sutker
1995 Soo Hyan Rhee & Stephen Petrill
1996 Stephanie Schmitt
1997 Martine Thomis
1998 Javier Gayán & Alexander Weiss
1999 Danielle Posthuma & Danielle Dick
2000 Brian D’Onofrio & Nathan Gillespie
2001 Shaun Purcell
2002 Meike Bartels & Michael Gaisworthy
2003 Arpna Asraval
2004 Jennifer Y.F. Lau
2005 Heath Goldhorn

Dobzhansky Awardees

1977 Steven Vandenberg
1978 Elliott Slater
1979 Ernst Caspari
1980 Benson Ginsburg
1981 Sheldon Reed
1982 Gardner Lindzey
1983 Peter Broadhurst
1984 Leonard Heston
1985 Nikki Erlenmeyer-Kimling
1986 Raymond Cattell
1987 J.L. Fuller & J.P. Scott
1988 Lee Erhman
1989 Gerald McClearn
1990 Irving Gottesman
1991 John Loehlin
1992 John DeFries
1993 Peter Parsons
1994 Aubrey Manning
1995 David Fulker
1997 Ronald Johnson
1998 Stephen Maxson
1999 Lindon Eaves
2000 Pierre Roubertoux
2001 Thomas Bouchard
2002 Robert Plomin
2003 Norman Henderson
2004 Sandra Scarf
2005 Nicholas Martin

Fuller/Scott Awardees

2004 Frank Spinath
2005 Danielle Posthuma
Tuesday, June 20

3:00 – 8:00p
Nathan Hale Inn (NHI) Registration

4:00 – 5:00p
NHI Board Room Executive Committee Meeting #1

6:00 – 8:00p
NHI Pavilion Welcome Reception (Hors D’Oeuvres & Cash Bar)

Wednesday, June 21

7:30 – 8:30a
NHI Pavilion Continental Breakfast

8:00 – 5:00p
Rome Commons Ballroom (RCB) Registration

8:30 – 8:45a
RCB – G Conference Welcome & Orientation, Steve Maxson

8:45 - 10:45a
Paper Session 1: Sex and Reproduction
Chair: Pekka Santtila

“Variation in Age at Menarche and Oral Contraceptive Use in Dutch Women”
Dorret I. Boomsma, Gonneke Willemsen, Marlies de Lange, Stephanie van den Berg, Jacqueline M. Vink

“Genetic Influence on Female Sexual Function”
Katarina Witting, Pekka Santtila, N. Kenneth Sandnabba

“Genetic and Environmental Effects on Sexual Excitation and Sexual Inhibition in the Human Male” (T)
Markus Varjonen, Pekka Santtila, N. Kenneth Sandnabba

“Preliminary Evidence for Genetic Effects on Sexual Aggression”
Pekka Santtila, N. Kenneth Sandnabba

“Genetic and Environmental Effects on Rapid and Delayed Ejaculation”
Patrick Jern, Pekka Santtila, N. Kenneth Sandnabba

8:45 - 10:45a
Symposium: Social Behaviors, Social Environments, and Genetic Influences
Chair and Discussant: Jennifer Harris

“The Effect of Urbanisation on Personality and Its Heritability in Older Dutch Twins and their Family Members”
Gonneke Willemsen, E. J. C. de Geus, Dorret I. Boomsma

“Neurogenetic Polymorphisms and the Adolescent Educational Career”
Michael J. Shanahan, Lance D. Erickson, Stephen Vaisey
Wednesday, June 21

“MAOA by Maltreatment GxE in Young Children”
Julia Kim-Cohen, Ph.D.

“The Relationship of Social Support and Activity with Late- Life Functioning: A Cotwin Control Study”
Matt McGuire, Kaare Christensen

“Genotype-Environment Interplay and Cognitive Aging”
Chandra A. Reynolds

10:45 – 11:00a
RCB - G
Break

11:00a – 1:00p
RCB - E
Paper Session 2: Substance Use
Chair: David Blizard

“Sweet and Bitter Taste of Ethanol in C57BL/6J and DBA2J Mouse Strains”
David A. Blizard

“Cannabis Use among Finnish Adolescents and Young Adults”
Jasikko Kaprio, Danielle Dick, Anja Huizink, Richard J Rose

“Associations of Trauma and Genetic Effects with Drinking Motives in a Female Twin Sample”
Vivia V. McCutcheon, Andrew C. Heath, Elliot C. Nelson, Kathleen K. Bucholz, Pamela A.F. Madden, Nicholas C. Martin

“Peers and Young Adults Smoking: Univariate and Multivariate Behavioral Genetic Analyses”
Zeena Harakeh, Jasna M. Neiderhiser, Erica L. Spotts, Robert Plomin, E. Mavis Hetherington, Rutger C.M.E. Engels, Ron H. J. Scholte, & David Reiss

“Exploiting a Common Etiology for Alcohol and Cigarette Consumption and Initiation: A Behavior Genetic Analysis of Liabilities Using a Nationally Representative Sample of Kinship Pairs” (T)
David E. Bard

BGA 2006 ANNUAL MEETING - Roster of Participants

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Thursday, June 22

7:30 – 9:30a  RCB - A  Breakfast

8:00 – 11:00a  RCB  Registration

8:30 – 11:00a  RCB - C  Poster Session 2
(The presentations in this session are listed on page 19 & 20)

11:00 – 11:30a  South Patio  Pickup box lunches and board buses for excursions

11:30a – 6:00p  Rome Circle  Excursions to Mystic Seaport and Foxwoods Resort and Casino

6:00 – 8:00p  Abbott’s  Dinner at Abbott’s in the Rough on the Connecticut Shore

8:00 – 9:00p  Back to Storrs  Coach transportation back to Storrs

Friday, June 23

7:30 – 8:30a  NHI – Pavilion  Continental Breakfast

8:00 – 11:00a  RCB  Registration

8:30 – 10:30a  RCB - A  Symposium: Human Phenotypes, Animal Models and the Particularity of Experimentation: Challenges and Opportunities
Chair: David Blizzard
Discussants: All

“Variability in Alcohol Preference in Maudsley Reactive Inbred Male Rats”
Nelson Adams

“Evidence for Epistasis among the D2 Family of Dopamine Receptor Genes in Smoking-Related Behaviors”
David J. Vandenbergh, Richard J. O’Connor, Michael D. Grant, Akelah L. Jefferson, George P. Vogler, Andrew A. Strasser, Lynn T. Kozlowski

“Contextual Genetics”
Gerald E. McClearn

“Transitivity of Genetic Architecture”
David A. Blizzard, Arimantas Lionikas, Jennifer E. Foreman, Frank Johannes, David J. Vandenbergh, George P. Vogler, Gerald E. McClearn

8:30 – 10:30a
RCB - E  Paper Session 4: Parenting and Peer Influences
Chair: Jenae Neiderhiser

“Maternal and Child Characteristics in Mother-Twin Interactions: Evidence of Evocate Genotype-Environment Correlation” (T)
Paula Y. Mullineaux, Lisabeth F. DiLalla

“Alcohol Use in Dutch Adolescent and Young Adult Twins as a Function of Common Friends”
Evelien A.P. Poelen, Rutger C.M.E. Engels, Dorret I. Boomsma, Ron H.J. Scholte, Gonneke Willemsen
Friday, June 23

"Accounting for Genetic Contributions to Links between Parent Negativity and Child Outcomes"
Jody M. Ganiban

"Marital Quality as a Moderator for Genetic and Environmental Influences on Parenting"
Jennifer A. Ulbricht, Jody Ganiban, Jenae M. Neiderhiser

"Mediating And Moderating Effects Of Measured Family Environments In The Classical Twin Design"
Thomas S. Price, Sara R. Jaffee

"Gene-Environment Correlations in Antisocial Behavior: Peer Selection and Friendship"
S. Alexandra Burt

10:30 - 11:00a
RCB - G

Break

11:00a - 12:00p
RCB - A

Decade of Behavior Distinguished Lecture: Larry J. Young,
Center for Behavioral Neuroscience, Emory University

"Genetic Mechanisms Underlying Natural Variability in Social Bonding"

12:00 - 1:30p
South Dining Hall
Lunch

1:30 - 3:30p
RCB - A

Paper Session 5: Child Behavior
Chair: Lisabeth DiLalla

"Cross-situational and Context Specific Effects on Activity Level"
Kimberly J. Saudino

"Genetic Influences Are Stronger for Aggressive Than Prosocial Behaviors in Preschool Twins"
Lisabeth F. DiLalla, Paula Y. Mullineaux

Friday, June 23

"What Parents, Teachers and Children Can Tell Us About Different Autistic Traits: a Twin Study" (T)
Angelica Ronald, Francesca Happé, Robert Plomin

"A Multivariate Twin Analysis of Inhibitory Control and Behavior Problems at 24 Months of Age" (T)
Jeffrey R. Gagne, Kimberly J. Saudino

"Multivariate Heritability for Imitation, Cognitive Ability and Task Orientation at Age Two" (T)
Susan K. Fenstermacher, Kimberly J. Saudino

1:30 - 3:30p
RCB - E

Symposium: Gene Imprinting and Behavior
Chair: Steve Maxson

Discussant: Michael O'Neill

"Genomic Imprinting and Social Behavior"
David Haig

"Development and Function of Sex Differences in Vasopressin / Vasotocin Innervation"
Geert DeVries

"Identification of Three Imprinted X-linked genes: Xlr3b, Xlr4b and Xlr4c in a Mouse Model for Turner's Syndrome"
Adam S. Raefski, Michael J. O'Neill

"Association of Imprinted Non-Coding RNAs with the Angelman and Prader-Willi Syndromes"
Marc Lalande

3:30 - 3:45p
RCB - G

Break

3:45 - 5:15p
RCB - A

Invited Symposium: Dobzhansky Awardees
Chair: Stephen Maxson

"Shifting perspectives in Behavior Genetics"
Benson Ginsburg

"The Contributions of Dobzhansky and his Students to Behavior Genetics"
Lee Ehrman

"Progress in Mapping QTLs for Personality and Cognition"
Nick Martin
Saturday, June 24

7:30 – 8:30a
NHI – Pavilion
Continental Breakfast

8:30-10:30a
RCB – A
Symposium: Environmental Risk and Substance Use
Chair: Naimah Weinberg
Discussant: Matt McGue

"The Role of Peers in Substance Use Initiation In Early Adolescence" (T)

"Elucidating the Relationship Between Affiliation with Delinquent Peers and Poly-substance Dependence Vulnerability"
Tanya M. M. Button, Soo Hyun Rhee, Susan E. Young, Robin P. Corley, Michael C. Stallings, John K. Hewitt

"Predictors of Young Adult Substance Initiation and Use: The Role of Family and Individual Factors"
Jenae M. Neiderhiser, Zeena Harakeh

"Is Risk for Marijuana Initiation, Abuse and Dependence Mediated by Individual Differences in Substance Availability and Peer Group Deviancy?"
Nathan A. Gillespie, Michael C. Neale, Carol A. Prescott, Kristen Jacobson, Kenneth S. Kendler

8:30 -10:30a
RCB – D
Paper Session 6: Statistical Methods and Design
Chair: Mike Miller

"Precision and Bias of a Mixture Distribution Model to Analyse Twin Data when Zygosity is Unknown: Simulations and Application to IQ Phenotypes on a Large Sample of Twin Pairs" (T)
Beben Benyamin, Ian J. Deary, Peter M. Visscher,

"Breakpoint Mapping Using Microarrays and FISH in an 18p Monosomy Case with Psychosis, Leuko-dystrophy, and Dysmorphology"
C.M. Draزnin, B.A. Fletcher, H. Zheng, M.W. State

"GenetSim: Software for Simulation of Familial Data in Genetics and Epidemiology"
Michael B. Miller

Saturday, June 24

10:30 – 11:00a
RCB – G
Break

11:00a - 12:00p
RCB – A
Keynote Presentation: Kenneth Kidd
Department of Genetics, Yale School of Medicine

"Human Variation and Evolution and Genes Affecting Behavior"

12:00 – 1:15p
South Dining Hall
Lunch

1:15 – 2:45p
RCB – A
Paper session 7: Personality and Social Behavior
Chair: Julie Aiken Harris

"Communicative Genes, Units of Selection"
Ross Buck, Benson Ginsburg

"The Intergenerational Transmission of Childhood Conduct Problems: A Children of Twins Study"
Brian M. D’Onofrio, Wendy S. Slutske, Eric Turkheimer, Robert E. Emery, K. Paige Harden, Andrew C. Heath, Pamela A.F. Madden, Nicholas G. Martin

"Inattention, Hyperactivity, and Oppositional Behavior in 9-10 Year Old Children: A Twin Study" (T)
Mo Zheng & Laura Baker

"Heritability of Subjective Well-Being in a Representative Sample"
Alex Weiss, Timothy. C. Bates
Saturday, June 24

1:15 – 2:45p

RCB – D

Paper Session 8: QTL Association and Linkage
(Chair: Dorret Boomsma)

“Genetic Bases of Normal Reading”
Timothy C. Bates, Anne Castles, Michelle Luciano,
Margaret J. Wright, Max Coltheart, Nicolas G. Martin

“The Role of Dopamine Receptor Genes in Alcohol-Related Phenotypes”
Danielle M Dick, Jen C. Wang, Dan Kaplan, Jevon Pankett,
Sarah Bertelsen, Elianna L. Goldstein, John P. Budde,
Anthony Hinrichs, Laura Jean Bierut, Alison Goate,
Howard J. Edenberg, John Nurnberger, Jr., Victor Hesselbroek,
Sam Kuperman, Marc Schuckit, Jay Tischfield, Bernice Porjesz,
Henri Begleiter, Richard Rose, Emma Nyman, Anu-Maria Loukola,
Leena Peltonen, Jaakko Kaprio

“Is COMT a Risk Factor for ADHD? Testing for Association with
Multiple Markers in a Gene-Based Framework”
Irwin D. Waldman, Ian R.Gizer, Jesen A. Fagerness,
Casey L. McGrath, David A. Rowe

“Maternal behavior in mice: Quantitative Trait Loci (QTL) Mapping”
Pierre L. Roubertoux, Isabelle Le Roy, Coralie Outreville,
Marc Jamon, Michele Cartier

2:45 – 3:00p

RCB – G

Break

3:00 – 4:00p

RCB – A

Business Meeting

4:00 – 5:00p

NHI Board Room

Executive Committee Meeting #2

6:00 – 10:00p

RCB – E

Reception and Banquet

Poster Session 1

Wednesday, June 21, 3:30-5:30 pm, RCB – C

1. “A Behavioral Genetic Investigation of Sense of Humor” (T)
   Ashley Mackie, Philip A. Vernon, Rod A. Martin, Leah D. Sheppard

   Erica L. Spotts, Paul Lichtenstein, Janne M. Neiderhiser

3. “IQ Similarity in Virtual Twins: Developmental Trends”
   Nancy L. Segal, Shirley McGuire, June Havlena, Patricia Gill

4. “Childhood Sexual Abuse and Course of Alcohol Dependence in a Female Twin Sample”
   Carolyn E. Sarto, Michael Lysnekey, Andrew C. Heath

5. “Characterization of Shared Environmental Influence on Adolescent Behavior:
   Evidence from the Sibling Interaction and Behavior Study” (T)
   Jacob Buchanan, Matt McGu, Margaret Keyes, Irene Elkins, William G. Iacono

6. “Parental Warmth and Empathy: Familial Influences Reconsidered” (T)
   Chizuru Shikishima, Shinji Yamagata, Kai Hiraiishi, Juko Ando, Yutaka Ono

7. “Experience of Stressful Life Events Rather obscures Genetic Vulnerability of
   Depression and Anxiety in Normal Population: A Study of Gene-Environment Interaction” (T)
   Shinji Yamagata, Yusuke Takahashi, Nobuhiro Kijima, Yutaka Ono, Juko Ando

   Nicotine Dependence” (T)
   Ulla Brons, Pamela A.F. Madden, Andrew C. Heath, Michele L. Pergadia,
   Saul Shiffman, Jaakko Kaprio

   and Young Adults”
   Evelien A. P. Poelen, Dorret I. Boomsma, Rutger C. M. E. Engels, Ron H. J. Scholte,
   Gonnie Willemsen, Jan F. J. van Leeuwe

10. “A Preliminary Investigation of the Genetic Etiology of Reading Comprehension Over Time”
    Rebecca S. Betjemann, Erik G. Willcutt, Richard K. Olson, Janice M. Keenan,
    John C. DeFries, Sally J. Wadsworth

11. “Monitoring activity, Aggression and Stress in Group-Housed Mice without
    Experimenter Interference or Coding”
    Michael J Galsworthy, Anton Rau, Frieder Neuhausser-Wespy, Caroline Blanchard,
    Robert Blanchard, Hans-Peter Lipp
Poster Session 1
Wednesday, June 21, 3:30-5:30 pm, RCB – C

12. “Genetic and Environmental Influences on Tester-Rated Verbal and Non-Verbal Cognitive Ability in Two-Year Olds” (T)
   Sonia Chawla, Kimberly I. Saadino

13. “Association of CHRM2 with IQ”
   Fazil Aliev, Ankara University, John Kramer, Victor Hesselbrock, Laura Bierut, Alison Goate, Jen C. Wang, Anthony Hinrichs, John Rice, Sarah Bertelsen, Sam Kuperman, Marc Schuckit, John Nurnberger, Jr., Howard Edenberg, Bernice Potjes, Henri Beglinger, Danielle M. Dick

14. “A Dopamine Receptor D4 Polymorphism, Attention Deficit Hyperactivity Disorder, and Disinhibitory Psychopathology” (T)

15. “Effects of Social Experience on Aggressive Behavior in Drosophila”
   Yong-Kyu Kim and Jayne Kelly

16. “Analysis of Vertical Transmission of Schizotypy: A Study of Taiwanese Juvenile Twins and Their Parents” (T)
   Chaucer C.H. Lin, Wei J. Chen

17. “Rated Personality and Measured Intelligence in Young Twin Children”
   Julie Aitken Harris, Philip A. Vernon, Kerry L. Jang

18. “A Multivariate Genetic Investigation of the Relationship Between Omnibus Personality and Sleep Quality”
   Andrew M. Johnson, Julie Aitken Harris, Jon Fleming, Kerry L. Jang

   Aude Gerard-Desplanches, Silvia Stefanini, Gene Fisch, Stefano Vicari, Virginia Volterra, Christine Deruelle, Michelle Carlier

20. “Association between GABRA1 and Drinking Behaviors in the Collaborative Study on the Genetics of Alcoholism Sample”
   Jevon Plunkett, Leah Flury Wetherill, Xiaoling Xuei, Alison Goate, Victor Hesselbrock, Marc Schuckit, Raymond C Rowe, Howard J. Edenberg, Tatiana Foroud, Danielle M. Dick

Poster Session 2
Thursday, June 22, 8:30 – 11 am, RCB

1. “The Genetics of Values”
   Julie Aitken Harris, Philip A. Vernon, Andrew M. Johnson, Kerry L. Jang

2. “Vocational Interests and Personality: Phenotypic and Genetic Relationships”
   Julie Aitken Harris, Philip A. Vernon, Andrew M. Johnson, Kerry L. Jang

3. “Depression and Internally Directed Aggression: Genetic and Environmental Contributions” (T)
   Suzanne K. Haddad, Jena M. Neiderhier, Erica Spotts, Jody Ganiban, Paul Lichtenstein, David Reiss

4. “A Behavioral Genetic Study of Trait Emotional Intelligence”
   Philip A. Vernon, Ashley Mackie, K.V. Petrides, Janice Bacher

5. “Etiology of Stability of Reading Difficulties: Preliminary Analysis of Follow-Up Data from Participants in the Colorado Learning Disabilities Research Center” (T)
   Raven L. Astrom, Sally J. Wadsworth, John C. DeFries

6. “A Comparison of Twin BMI data from Australia, China, Finland, Japan, the Netherlands, and South Korea: Are Genetic and Environmental Variations in BMI Similar in Caucasians and East Asians?”
   Yoon-Mi Hur, Juko Ando, Dorret I. Boomsma, Belinda Cornes, Jaakko Kaprio, Michelle Luciano, Hiroko Maekawa, Nick Martin, Ryoko Nakajima, Syuichi Ooki, Zengchang Pang, Richard Rose

7. “Genetic Etiology of Hostility in Male and Female Adolescents: A South Korean Twin study”
   Yoon-Mi Hur

8. “The Role of Neuroticism in Obsessive-Compulsive Disorder: A South Korean Twin Study”
   Yoon-Mi Hur, Jung Lee

9. “Use of Discrete-Time Survival Analysis for Modeling Multivariate ACE Models of Fertility Precursors from the Children of the NLSY” (T)
   David E. Bard, Joseph Lee Rodgers

10. “BMI and Energy Intake in Japanese Young Adult Twin Pairs”
    Ryoko Nakajima, Satoshi Sasaki, Yutaka Ono, Juko Ando
11. "Syllogism and Intelligence: g (Genetic Factor) of g (General Intelligence) Revisited"  
Juko Ando, Chizuru Shikishima, Yutaro Sugimoto, Ryo Takemura, Kai Hirashin,  
Mitsuhito Okada

12. "Evolution of Drosohphila populations"  
Jean-Marc Jallon

13. "Developmental Differences in the Genetic Etiology of Reading and Spelling Disabilities" (T)  
Angela Friend, John C. DeFries, Sally J. Wadsworth, Richard K. Olson

14. "Univariate Analyses of the Growth of Reading Outcome Measures" (T)  
Sara A. Hart, Stephen A. Petrill

15. "Genetic Influence on Parent-Reported Competence and Behavior/Emotional Problems in Russian Adolescent Twin Sample"  
Elena D. Gindina, Sergey B. Malykh, Marina M. Lobaskova

16. "Combined Analysis of Reading Performance Data from Reading-Disabled and Control Twin Pairs Using the Pearson-Aitken Selection Formula" (T)  
Jesse L. Hawke, Michael C. Stallings, Sally J. Wadsworth, John C. DeFries

17. "Predictors and Consequences of Negative Emotionality in the Colorado Adoption Project"  
Sally-Ann Rhea, Robin P. Corley, Josh B. Bricker,

18. "Visual and Motor Behaviors Interact to Identify Aspects of Dyslexia"  
Rowe A. Young

19. "Association between Age of Sexual Initiation and Dopamine-Encoding Gene Not Replicated in Combined Twin and Adoption Samples" (T)  
Josh B. Bricker, Michael C. Stallings, Robin P. Corley, Brett C. Haberstick,  
Andy Smolen, Gary Stetler, Susan E. Young, John K. Hewitt, John C. DeFries

20. "Intersexual Aggression: Effect of Male Strain, Internalle Aggressive Experience, and Estrous Cycling"  
Andrew Canastar, Stephen C. Moxson

Featured Keynote Speaker  
Wednesday, June 21, 2:30 - 3:30p

"Leptin, Feeding and the Regulation of Body Weight"

Dr. Jeffrey M. Friedman, MD, Ph.D.  
Marilyn Simpson Professor, The Rockefeller University
Investigator, Howard Hughes Medical Institute

Jeffrey Friedman, an alumnus of The Rockefeller University, is the director of the University's Starr Center for Human Genetics. Dr. Friedman studies genes that regulate eating behavior, appetite, and body weight, including genes associated with obesity and diabetes. In December 1994, he gained worldwide prominence when his research group reported the isolation of an obesity-related gene in mice. In July 1995, they announced that this ob gene is responsible for producing a previously unknown hormone, which they named leptin—from the Greek word lepto, meaning thin. Also found in humans, leptin plays a key role in controlling appetite, energy expenditure, and fat storage.

In 1996, Dr. Friedman and his associates demonstrated that leptin's weight-reducing effects depend on the hormone's interactions with receptor molecules on cells in the hypothalamus, a brain region known to regulate food intake and body weight. Ongoing research is elucidating how leptin acts through the various forms of its receptor, and precisely what effects the hormone exerts in the cells of the brain and other areas of the body. These investigations are complemented by the Friedman laboratory's ongoing genetics research in human populations, designed to expand their understanding of the causes of obesity and frequently associated conditions such as diabetes, hypertension, and atherosclerosis. One of the laboratory's major studies is now under way in the remote Pacific Island nation of Kosrae, where a large percentage of the population is affected by this syndrome of health conditions.

Dr. Friedman received a B.S. from Rensselaer Polytechnic Institute and an M.D. from Albany Medical College, which named him its 1996 alumnus of the year. He completed a residency at Albany Medical Center Hospital and a gastroenterology fellowship at Cornell University Medical College, and then earned a Ph.D. in molecular biology from Rockefeller in 1984. He remained at Rockefeller as a postdoctoral fellow, and in 1986 he was appointed an assistant professor and an assistant investigator with the Howard Hughes Medical Institute. He became a tenured professor and founding director of the Starr Center in 1995, a Howard Hughes investigator in 1996, and the University's first Marilyn M. Simpson Professor in 1999.

A member of National Academy of Sciences, Dr. Friedman received both the Passano Foundation Award and a Gairdner Foundation International Award in April 2005. He is also the recipient of the Heinrich Wieland Prize, the University of Gotteborg's Jacobaeus Prize, the TOPS Award from the North American Association for the Study of Obesity, the Steven C. Beiring Award, the Janssen Award for Special Achievement in Gastroenterology, and the 2001 Bristol-Myers Squibb Award for distinguished achievement in metabolic research.

http://www Rockefeller.edu/labheads/friedman/research.htm
**Decade of Behavior Distinguished Lecture**

**"Genetic Mechanisms Underlying Natural Variability in Social Bonding"**

**Dr. Larry J. Young**
Center for Behavioral Neuroscience, Emory University

Dr. Larry J. Young completed his undergraduate degree in biochemistry at the University of Georgia and earned his Ph.D. in the Department of Zoology at the University of Texas at Austin. Dr. Young then received his post-doctoral training with Dr. Thomas Insel in the Department of Psychiatry at Emory University, where he is now an Associate Professor. He is the Head of the Affiliation Collaboratory in the National Science Foundation’s Center for Behavioral Neuroscience (CBN) located in Atlanta GA, and an Affiliate Scientist at the Yerkes National Primate Research Center.

Since 1994, Dr. Young’s research has focused on understanding the molecular and neurobiological mechanisms regulating the social brain. The majority of his lab’s studies have focused on the role of the neuropeptides oxytocin and vasopressin, and their respective receptors, in regulating the neural processing of social signals and social attachment. Dr. Young uses a comparative neuroethological approach to investigate the nature of social bonding in monogamous voles. This work has led to the development of neural model of social bonding which shares many features with addiction. In addition, his research provides insights into the evolution of social behavior at a molecular level, as well as into genetic mechanisms underlying individual variation in social behavior. His research demonstrates that variation in the brain region-specific expression of neuropeptide receptor genes contributes to the diversity in social behavioral phenotypes, both among species and between individuals of a species. This work has important implications for understanding the neurobiology of psychiatric disorders with disruptions in social behavior, such as Autism Spectrum Disorders. Dr. Young’s work has been published in Nature, Science, Nature Neuroscience, Neuron and the Journal of Neuroscience and Dr. Young was awarded the Frank A. Beach Award and the Armin Ermish Memorial Award his work in this area.

http://www.yerkes.emory.edu/YOUNG/Projects.htm

The Decade of Behavior Distinguished Lectures are part of a broad outreach strategy to call attention to the contributions and value of the behavioral and social sciences in addressing important societal issues. The Behavior Genetics Association is a member society contributing to the Decade of Behavior Initiative, which is sponsored by the American Psychological Association (http://www.decadeofbehavior.org).

**Featured Keynote Speaker**

**"Human Variation and Evolution and Genes Affecting Behavior"**

**Dr. Kenneth K. Kidd**
Department of Genetics, Yale University School of Medicine

Kenneth K. Kidd received his Ph.D. in Genetics from the University of Wisconsin in 1969. His early training included Drosophila genetics, classical immunogenetics, and population genetics. During his post-doctoral studies in Italy and at Stanford University, he established his reputation in human population genetics. He joined the Genetics faculty at Yale University School of Medicine in 1973 where he has remained and is currently Professor of Genetics and Psychiatry. At Yale he has pursued research in many areas of human genetics, including medical genetics (studies of neuropsychiatric disorders and simple Mendelian disorders), gene mapping (both physical and genetic), database design for modern genetic data, and a variety of molecular methodologies. More recently, his long-standing interest in human population genetics has been combined with his laboratory’s expertise in molecular technology to examine human genome diversity at the DNA level. He is also responsible for ALFRED, the ALLeLe FRequency Database, a web accessible compilation of gene frequency data on anthropologically defined human populations.

During his career, Dr. Kidd has published more than 450 scientific articles in a broad range of subjects including population genetics, cancer and neuropsychiatric genetics, gene mapping, molecular methodology, and human diversity. He is one of the co-authors of a paper selected as the best biomedical paper of the year by The Lancet, a leading British medical journal. This and other publications by Dr. Kidd can be found on his web site http://info.med.yale.edu/genetics/ kkidd. He is a certified Medical Geneticist by the American Board of Medical Genetics. He has served on several U.S. Government Review and Advisory Committees/Panels, on several editorial boards, and helped organize several international conferences. He is a member of several professional societies and a Fellow of the American Association for the Advancement of Science. Among his other awards, he has been recognized by the U.S. Federal Bureau of Investigation and the National Institute of Justice for his contributions toward acceptance of DNA methodologies in the courts.

http://info.med.yale.edu/genetics/kkidd/
## Program Summary

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<th>Date</th>
<th>Time</th>
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<tr>
<td><strong>Tue, June 20</strong></td>
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<td><strong>Executive Committee Meeting #1</strong></td>
<td><strong>NHI Board Rm</strong></td>
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<td>4:00p - 5:00p</td>
<td><strong>Welcome Reception (Hors D’Oeuvres &amp; Cash Bar)</strong></td>
<td><strong>NHI Pavilion</strong></td>
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<td>6:00p - 8:00p</td>
<td><strong>Conference Welcome &amp; Orientation: Steven Maxson</strong></td>
<td><strong>Ballroom A</strong></td>
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<td>8:30a - 10:45a</td>
<td><strong>Paper Session 1: Sex and Reproduction</strong></td>
<td><strong>Ballroom A</strong></td>
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<td><strong>Symposium: Social Behaviors, Social Environments, and Genetic Influences</strong></td>
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<td><strong>Paper Session 2: Substance Use</strong></td>
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<td>11:00a - 12:30p</td>
<td><strong>Paper Session 3: Health and Fitness</strong></td>
<td><strong>Ballroom A</strong></td>
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<td><strong>Lunch</strong></td>
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<td><strong>Keynote Presentation: Jeffery M. Freidman</strong></td>
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<th><strong>Wed, June 21</strong></th>
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<th><strong>Continental Breakfast</strong></th>
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<th><strong>Breakfast</strong></th>
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<td><strong>Poster Session 2</strong></td>
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<td>8:30a - 11:00a</td>
<td><strong>Pickup box lunches and board busses for excursions</strong></td>
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<td>11:30a - 6:00</td>
<td><strong>Excursions to Mystic Seaport and Foxwoods Resort and Casino</strong></td>
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<td><strong>Dinner at Abbott’s in the Rough on the Connecticut Shore</strong></td>
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<td><strong>Coach transportation back to Storrs</strong></td>
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<td><strong>Symposium: Human Phenotypes, Animal Models and the Particularity of Experimentation: Challenges and Opportunities</strong></td>
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<td><strong>Paper Session 4: Parenting and Peer Influences</strong></td>
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<td><strong>Decade of Behavior Distinguished Lecture: Larry J. Young.</strong></td>
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<td><strong>Paper Session 5: Child Behavior</strong></td>
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<td><strong>Symposium: Gene Imprinting and Behavior</strong></td>
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<td>3:45p - 5:15p</td>
<td><strong>Invited Symposium: Dobzhansky Awardees</strong></td>
<td><strong>Ballroom A</strong></td>
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<td><strong>Symposium: Environmental Risk and Substance Use</strong></td>
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<td>8:30a - 10:30a</td>
<td><strong>Paper Session 6: Statistical Methods and Design</strong></td>
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<td><strong>Association Business Meeting</strong></td>
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<td><strong>Executive Committee Meeting #2</strong></td>
<td><strong>NHI Pavilion</strong></td>
</tr>
<tr>
<td></td>
<td>6:00p - 10:00p</td>
<td><strong>Reception and Banquet</strong></td>
<td><strong>Ballroom E</strong></td>
</tr>
</tbody>
</table>