

102nd Annual Meeting of the
American PsychoPathological Association
1-3 March, 2012 Grand Hyatt New York



Multigenerational Transmission
of Psychopathology

APPA

AMERICAN PSYCHOPATHOLOGICAL ASSOCIATION, INC
1910-2012

SPEAKERS

James Curley, PhD
Columbia University

Myron Hofer, MD
Columbia University, NYSPI

Thomas Insel, MD
National Institute of Mental Health

Mary-Claire King, PhD
University of Washington

Bruce G. Link, PhD
Columbia University, NYSPI

Jelena Mann, PhD
Newcastle University

Shane Norris, PhD
University of the Witwatersrand

Shaun Purcell, PhD
Mount Sinai School of Medicine

Avi Reichenberg, PhD
King's College, London

Caroline Relton, PhD
Newcastle University

George Davey Smith, MD, DSc
University of Bristol

Fiona Stanley, MD
Telethon Institute for Child Health Research

Matthew State, MD, PhD
Yale University

Camilla Stoltenberg, MD, PhD
Norwegian Institute of Public Health

Ezra Susser, MD, DrPH
Columbia University, NYSPI

Wim Velting, MD, PhD
*Parnassia Psychiatric Institute
Maastricht University*

Myrna Weissman, PhD
Columbia University, NYSPI

Cathy Spatz Widom, PhD
City University of New York

Chairs

Magdalena Cerdá, DrPH, MPH
Columbia University

Peter Szatmari, MD, MSc, FRCPC
McMaster University

Jonathan Burns, MD, PhD
University of KwaZulu-Natal

Stephen L. Buka, ScD
Brown University

Karestan C. Koenen, PhD
Columbia University

Ted Reichborn-Kjennerud, MD, DrMED
Norwegian Institute of Public Health

Thomas G. Schulze, MD
University of Göttingen

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SCIENTIFIC PROGRAM

Multigenerational Transmission of Psychopathology

We are at the start of a new era of research on psychopathology, in which we will be tracing mental disorders and their earliest antecedents across multiple generations. Since World War II, population-based pregnancy and birth cohorts have gradually illuminated the evolution of psychopathology over the life course, and have identified very early antecedents of mental disorders which later emerge in youth and adults. Yet, almost none of these cohorts has systematically studied the prenatal experience and early mental development of both the children and grandchildren of the cohort members. Recently, this has changed: a few cohorts have multigenerational studies in progress, and many others are planning to initiate them. At the same time, our understanding of how genetic and contextual (societal, family, cultural) causes of psychopathology and resilience are transmitted across generations is being transformed. This conference brings together investigators at the forefront of multigenerational studies with investigators at the forefront of related developments.

Ezra Susser, MD, DrPH, President 2012

WEDNESDAY, 29 FEBRUARY PRE-CONFERENCE

- 12:30—5:00 PM Joint NIMH and NIDA T32 Trainee Meeting (open to all)
- 8:00—9:30 PM **Here One Day**, a film by Kathy Leichter
*Screening sponsored by the Department of Epidemiology
Mailman School of Public Health, Columbia University*

THURSDAY, 1 MARCH

- 8:15—9:00 AM Registration and Continental Breakfast
- 9:00—9:15 AM **Welcome and Overview**, Ezra Susser, MD, DrPH, APPA President
Columbia University, NYSPI

SESSION I DYNAMIC PARENT-OFFSPRING RELATIONSHIPS

Chair: Magdalena Cerdá, DrPH, MPH, *Columbia University*

- 9:15—9:25 AM Presentation of Hoch Award to Myron Hofer, MD (by Ezra Susser)
- 9:25—9:40 AM **Why Are There Transgenerational Effects?**
Myron Hofer, MD, *Columbia University, NYSPI*
- 9:40—10:10 AM **What is Development?**
Thomas Insel, MD, *National Institute of Mental Health*
- 10:10—10:30 AM General Discussion
- 10:30—10:45 AM Break

SESSION II GENES

Chair: Peter Szatmari, MD, MSc, FRCPC, *McMaster University*

- 10:45—11:25 AM **Anna Karenina and the Genetics of Mental Illness**
Mary-Claire King, PhD, *University of Washington*

- 11:25—12:05 PM **Characterizing the Spectrum of Genetic Transmission of Psychopathology**
Shaun Purcell, PhD, *Mount Sinai School of Medicine*
- 12:05—12:45 PM **Back to the Future: Testing New Theories in Traditional Pedigrees**
Matthew State, MD, PhD, *Yale University*
- 12:45—1:00 PM General Discussion
- 1:00—2:30 PM LUNCH

SESSION III CONTEXT

Chair: Jonathan Burns, MD, PhD, *University of KwaZulu-Natal*

- 2:30—3:10 PM **The Reproduction of Health Inequalities Across Generations**
Bruce G. Link, PhD, *Columbia University, NYSPI*
- 3:10—3:50 PM **Intergenerational Transmission of Child Abuse and Neglect**
Cathy Spatz Widom, PhD, *City University of New York*
- 3:50—4:05 PM Break
- 4:05—4:45 PM **Increased Psychosis Incidence Across Generations of Immigrants: A Tale of Us and Them**
Wim Velting, MD, PhD, *Parnassia Psychiatric Institute and Maastricht University*
- 4:45—5:00 PM General discussion led by Joan Y. Chiao, PhD, *Northwestern University*
- 5:30—7:00 PM Poster Session
sponsored by Michael J. Lyons, PhD, Department of Psychology, Boston University

FRIDAY, 2 MARCH

- 8:00—8:50 AM Coffee and Roundtable with Thomas Lehner, PhD, MPH
National Institute of Mental Health (for early career and new investigators)
Sponsored by the Department of Epidemiology, MSPH, Columbia University
- 8:30—9:00 AM Registration and Continental Breakfast

SESSION IV MULTIGENERATIONAL COHORTS

Chair: Stephen L. Buka, ScD, *Brown University*

- 9:00—9:10 AM Presentation of Zubin Award to Zena Stein (by Ezra Susser)
- 9:10—9:30 AM **Measured Intelligence in Children: Antecedents and Follow-Ups**
Zena Stein, MB, BCh, *Columbia University*
- 9:30—10:10 AM **Three-generation Data on Aboriginal People in Australia**
Fiona Stanley, MD, *Telethon Institute for Child Health Research*
- 10:10—10:50 AM **Transgenerational Influences on Health and Disease in the ALSPAC Cohort**
George Davey Smith, MD, DSc, *University of Bristol*
- 10:50—11:05 AM Break
- 11:05—11:45 AM **Birth to Twenty Plus Cohort in South Africa**
Shane Norris, PhD, *University of Witwatersrand*
- 11:45—12:05 PM General Discussion
(Opening remarks by Terry Brugha, MD, *University of Leicester*)

12:10—12:40 PM APPA Annual Business Meeting (members only)

12:40— 2:10 PM Lunch

SESSION V PATERNAL EPIGENETIC TRANSMISSION

Chair: Karestan C. Koenen, PhD, *Columbia University*

2:15—2:55 PM **Protective Adaptation by Heritable Epigenetic Modifications**

Jelena Mann, PhD, *Newcastle University*

2:55—3:35 PM **Paternal Transmission of Phenotype: Evidence from Animal Models**

James Curley, PhD, *Columbia University*

3:35—3:50 PM Break

3:50—4:30 PM **The Trail of Risk for Developmental Disorders: The Fathers' Story**

Avi Reichenberg, PhD, *King's College, London*

4:30—4:50 PM General Discussion

SATURDAY, 3 MARCH

8:30—9:00 AM Registration and Continental Breakfast

9:00—9:05 AM Presentation of Robins/Guze Award

9:05—9:10 AM President's Special Award to Gary A. Heiman, PhD, *Rutgers University*

SESSION VI A PLAN FOR THE FUTURE

Chair: Ted Reichborn-Kjennerud, MD, DrMED, *Norwegian Institute of Public Health*

9:10—9:50 AM **When the Whole Country Is a Cohort**

Camilla Stoltenberg, MD, PhD, *Norwegian Institute of Public Health*

SESSION VII HAMILTON LECTURE

9:50—10:00 AM Presentation of Hamilton Award to Ezra Susser, MD, DrPH
(by Bruce G. Link, PhD)

10:00—10:30 AM **Multigenerational Effects of Preventive Interventions**

Ezra Susser, MD, DrPH, *Columbia University, NYSPI*

10:30—10:45 AM Discussion

10:45—11:00 AM Break

SESSION VIII KERNELS OF THINGS TO COME

Chair: Thomas G. Schulze, MD
University of Göttingen

11:00—11:20 AM **The Next Generation of the Multigenerationals**

Myrna Weissman, PhD, *Columbia University, NYSPI*

11:20—11:40 AM **Two Step Epigenetic Mendelian Randomization in Multigenerational Studies**

Caroline Relton, PhD, *Newcastle University*

11:40—12:00 Noon General Discussion

12:00 Noon ADJOURN

PRESIDENTS OF APPA

1910-11 Morton Prince	1960 David Wechsler	1995 Leonard Heston
1912 Adolf Meyer	1961 William Horsely Gantt	1996 David Janowsky
1913 James T. Putnam	1962 Laretta Bender	1997 Ellen Frank
1914-15 Alfred R. Allen	1963 D. Ewen Cameron	1998 Judith Rapoport
1916-17 Adolf Meyer	1964 Jerome D. Frank	1999 Myrna M. Weissman
1918 Smith Ely Jelliffe	1965 Franz J. Kallmann	2000 John E. Helzer
1921 William A. White	1966 Seymour S. Kety	2001 Nina Schooler
1922 John T. MacCurdy	1967 Bernard C. Glueck, Jr.	2002 Jack Gorman
1923-24 L. Pierce Clark	1968 Benjamin Pasamanick	2003 Charles Zorumski
1925 Albert M. Barrett	1969 Joel Elkes	2004 William W. Eaton
1927 Sanger Brown II	1970 Fritz A. Freyhan	2005 Ming Tsuang
1928-29 Ross McC. Chapman	1971 Milton Greenblatt	2006 J. Raymond DePaulo, Jr.
1930-31 William Healy	1972 Alfred Freedman	2007 James J. Hudziak
1932 J. Ramsey Hunt	1973 Henry Brill	2008 Patrick E. Shrout
1933-34 Edward J. Kempf	1974 Max Fink	2009 Darrel A. Regier
1935-37 Nolan D.C. Lewis	1975 Charles Shagass	2010 Linda B. Cottler
1938 Samuel W. Hamilton	1976 Arnold J. Friedhoff	2011 Cathy Spatz Widom
1939 Abraham Myerson	1977 George Winokur	2012 Ezra Susser
1940 Douglas A. Thom	1978 Gerald L. Klerman	2013 Evelyn J. Bromet
1941-42 Roscoe W. Hall	1979 Jonathan O. Cole	2014 Jeffrey A. Lieberman
1943-44 Frederick L. Wells	1980 Donald F. Klein	
1945 Bernard Glueck	1981 Paula J. Clayton	
1946 Robert P. Knight	1982 Samuel B. Guze	
1947 Frederick L. Wells	1983 Robert L. Spitzer	
1948 Donald J. MacPherson	1984 Murray Alpert	
1949 Paul Hoch	1985 James E. Barrett	
1950 William B. Terhune	1986 Robert M. Rose	
1951 Lauren H. Smith	1987 David L. Dunner	
1952 Joseph Zubin	1988 Lee N. Robins	
1953 Clarence R. Oberndorf	1989 Bernard J. Carroll	
1954-55 David McK. Rioch	1990 Nancy C. Andreasen	
1956 Oaskar Diethelm	1991 Katherine A. Halmi	
1957 Howard S. Liddell	1992 Elliot S. Gershon	
1958 Leslie B. Hohman	1993 C. Robert Cloninger	
1959 Harry C. Solomon	1994 Bruce P. Dohrenwend	

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AWARDS

The APPA has four awards named for individuals who have made important contributions to the science of psychopathology. They are the Joseph Zubin Award, the Paul Hoch Award, the Eli Robins, Samuel Guze Award, and the Samuel W. Hamilton Award. For Hamilton awardees, please see the listing of the Presidents of the APPA on the opposite page. Descriptions of these awards are on our website at: www.appasn.org/awards.htm.

PREVIOUS AWARD WINNERS SINCE 1990

Year	Hoch Award	Zubin Award	Robins/Guze Award
1990	Arvid Carlsson		
1991	Gerald Russell		
1992	Robert C. Elston	George Winokur	
1993	Lindon Eaves	Albert Ellis	
1994	George Brown	Alexander H. Leighton	
1995	Stanley Prusiner	Paul R. McHugh	
1996	Lester Luborsky	Myrna M. Weissman & Gerald L. Klerman	
1997	Ronald C. Kessler	Heinz Hafner	
1998	Robin M. Murray	Barton Childs	
1999	John Rush	David J. Kupfer and Ellen Frank	
2000	Ming T. Tsuang	Samuel B. Guze	
2001	Gerard Hogarty	Robert Spitzer	Frederick Cassidy
2002	Joseph E. LeDoux	Bruce S. McEwen	Renee Cunningham Williams
2003	Eric R. Kandel	John W. Olney	James Potash
2004	George S. Alexopoulos	Simon Wessely	David D. Rettew
2005	Jane M. Murphy	Nikki Erlenmeyer-Kimling	Karestan Koenen
2006	Paul McHugh	David Botstein	Thomas Schulze
2007	Sir Michael Rutter	John E. Helzer	Todd Lencz
2008	James M. Robins	Bruce P. Dohrenwend	Catherine W. Striley
2009	Norman Sartorius	David Shaffer	Zubin Bhagwager
2010	Wilson M. Compton	Ezra Susser	Valerie Harder
2011	Naomi Breslau	Patricia Cohen	Magdalena Cerdá
2012	Myron Hofer	Zena Stein	Monica Uddin

The American Psychopathological Association gratefully acknowledges the Division of Epidemiology, Services and Prevention Research at the National Institute on Drug Abuse (NIDA) for their generous support to this year's Travel Awardees so they could attend our Annual Meeting. We gratefully acknowledge the Department of Epidemiology, Mailman School of Public Health, Columbia University, for its sponsorship of this year's film screening, Friday Roundtable, and President's Reception. We also gratefully acknowledge sponsorship of this year's Poster Session by Michael J. Lyons, PhD, Department of Psychology, Boston University.

The views expressed in written conference materials or publications and by speakers and moderators do not necessarily reflect the official policies of the National Institute on Drug Abuse (NIDA); nor does mention by trade names, commercial practices, or organizations imply endorsement by the U.S. Government.



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