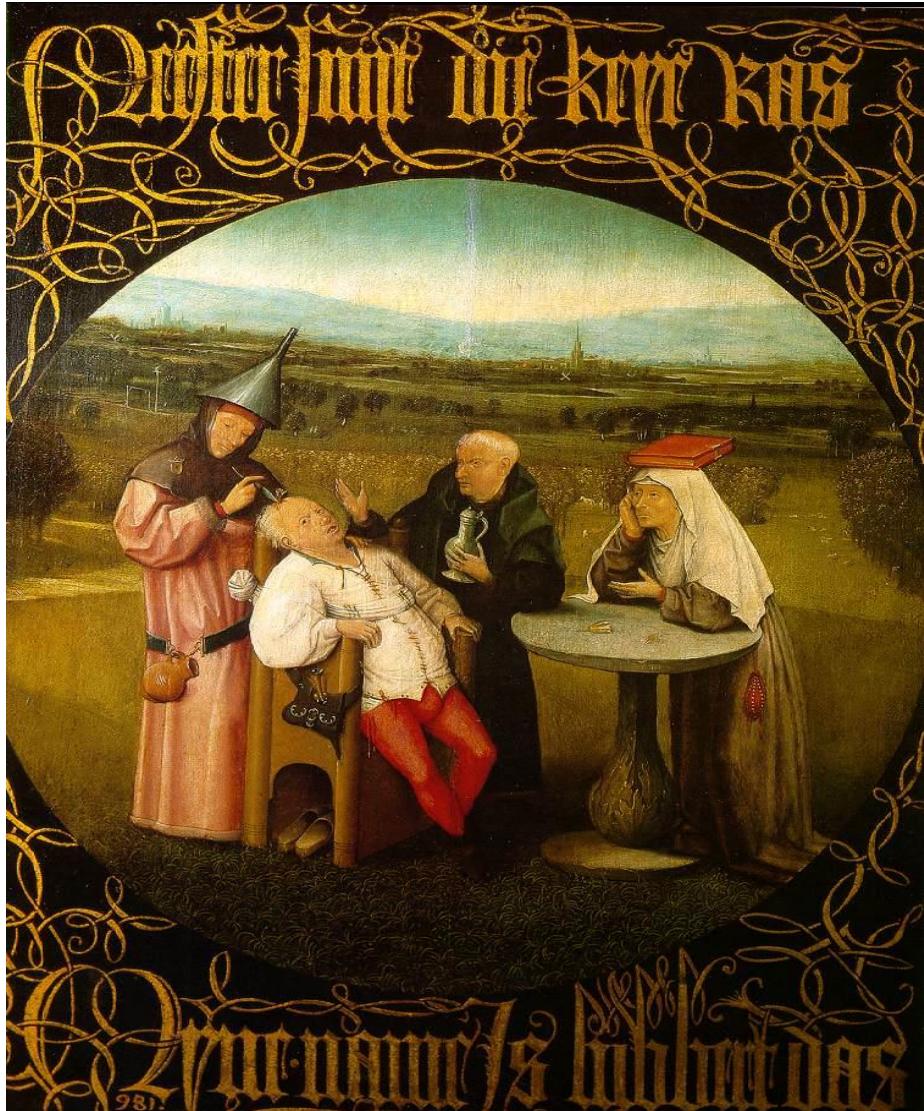


104th Annual Meeting of the
American Psychopathological Association

March 6-8, 2014 Grand Hyatt New York



Hieronimus Bosch – Cure of Folly c. 1494

Pursuing Personalized Treatment for Mental Illness

APPA

AMERICAN PSYCHOPATHOLOGICAL ASSOCIATION, INC.

1910-2014

SPEAKERS

Jeffrey A. Lieberman, MD
Columbia University, NYSPI

Irving I. Gottesman, PhD
University of Minnesota
University of Virginia

Thomas Insel, MD
National Institute of Mental Health

Nora D. Volkow, MD
National Institute on Drug Abuse

Preben Bo Mortensen, MD
University of Aarhus, Denmark

David J. Kupfer, MD
University of Pittsburgh

Geoffrey M. Reed, PhD
World Health Organization

Bruce N. Cuthbert, PhD
National Institute of Mental Health

Husseini K. Manji, MD, FRCPC
Janssen Research & Development, LLC

Ed Bullmore, FMedSci
University of Cambridge

Anissa A. Abi-Dargham, MD
Columbia University

Patrick F. Sullivan, MD, FRANZCP
University of North Carolina

Linda Cottler, PhD, MPH
University of Florida

John H. Krystal, MD
Yale University

Alan S. Brown, MD, MPH
Columbia University

Kristen J. Brennan, PhD
Icahn School of Medicine at Mount Sinai

György Buzsáki, MD, PhD
New York University

Eric J. Nestler, MD, PhD
Icahn School of Medicine at Mount Sinai

Joseph Piven, MD
University of North Carolina

Maria Karayiorgou, MD
Columbia University

George F. Koob, PhD
National Institute on Alcohol Abuse and Alcoholism
National Institutes of Health

Robert L. Klitzman, MD
Columbia University

Helen S. Mayberg, MD
Emory University

Ramin V. Parsey, MD, PhD
Stony Brook University

Steven M. Paul, MD
Weill Cornell University

Charles R. Marmar, MD
New York University, Langone Medical Center

CHAIRS

Myrna M. Weissman, PhD
Columbia University

J. Raymond DePaulo, Jr., MD
Johns Hopkins University

Robert M.A. Hirschfeld, MD
University of Texas Medical Branch

Mary Jeanne Kreek, MD
The Rockefeller University

Shelli Avenevoli, PhD
National Institute of Mental Health

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SCIENTIFIC PROGRAM

Pursuing Personalized Treatment for Mental Illness

There are numerous evidenced based treatments for psychiatric disorders, using pharmacological and psychotherapeutic approaches. Predicting which of these therapies will work for any given individual remains as much an art as a science, resulting in therapeutic delays, needless costs and human suffering. A new era of personalized medicine tailored to the patient's unique biomarkers to specify treatment choices is beginning to emerge throughout medicine and in psychiatry.

The 2014 APPA Annual meeting brings together experts to describe the most promising biomarkers, which may form the basis for future personalized treatment. Scientists who are carrying out therapeutic trials testing biomarkers alone or in combination to treat individuals with depression, anxiety disorders, schizophrenia or addiction, will also describe their most recent and salient findings.

Jeffrey A. Lieberman, MD, President, 2014

Myrna M. Weissman, PhD, and Anissa A. Abi-Dargham, MD, Program Co-Chairs, 2014

THURSDAY, 6 MARCH

8:15 – 9:00 AM

Registration and Continental Breakfast

9:00 – 9:15 AM

**Welcoming Remarks, Jeffrey A. Lieberman, MD, APPA President
Looking to the future of psychiatric medicine and mental health care**

*Lawrence C. Kolb Professor & Chairman of Psychiatry, Columbia University
Director, New York State Psychiatric Institute
Psychiatrist-in-Chief, New York Presbyterian Hospital-Columbia University Medical Center*

9:15 – 9:30 AM

*****Presentation of Zubin Award to Irving I. Gottesman, PhD,
Hon.FRCPsych, Hon.FKC
Senior Fellow, Department of Psychology; Bernstein Professor of Adult
Psychiatry (Ret.); University of Minnesota; Sherrell J. Aston Professor of
Psychology Emeritus, University of Virginia**

SESSION I WHAT ARE BIOMARKERS?

Chair: Myrna M. Weissman, PhD

*Diane Goldman Kemper Professor of Epidemiology in Psychiatry, Columbia University
Chief, Division of Epidemiology
New York State Psychiatric Institute*

9:30 – 9:55 AM

Biomarkers and personalized medicine: Impact on public health
Thomas Insel, MD
Director, National Institute of Mental Health, National Institutes of Health

9:55 – 10:20 AM	Biomarkers and personalized medicine: Policies, future directions, and current challenges Nora D. Volkow, MD <i>Director, National Institute of Drug Abuse, National Institutes of Health</i>
10:20 – 10:30 AM	General discussion led by Dr. Weissman
10:30 – 10:50 AM	Break
10:50 – 11:15 AM	Biomarkers and epidemiology in cohort studies Preben Bo Mortensen, MD <i>Professor Department of Economics and Business National Centre for Register-Based Research, University of Aarhus, Denmark</i>
11:15 – 11:40 AM	Biomarkers for drug development Husseini K. Manji, MD, FRCPC <i>Global Head, Neuroscience Therapeutic Area, Janssen Research & Development, LLC</i>
11:40 AM – 12: 40 PM	Biomarkers in quest of phenotypes: Comment on DSM-5, ICD11, and R-DoC David J. Kupfer, MD <i>Thomas Detre Professor, Department of Psychiatry; Professor, Departments of Neuroscience and Clinical and Translational Science, University of Pittsburgh School of Medicine</i> Geoffrey M. Reed, PhD <i>Senior Project Officer, Revision of ICD-10 Mental Health and Behavioural Disorders; Department of Mental Health and Substance Abuse, World Health Organization, Geneva Switzerland</i> Bruce N. Cuthbert, PhD <i>Director, Division of Adult Translational Research and Treatment Development, National Institute of Mental Health, National Institutes of Health</i>
12:40 – 12:45 PM	Discussant Comments by Dr. Weissman
12:45 – 1:00 PM	General Discussion led by Dr. Weissman
1:00 – 2:15 PM	Lunch

SESSION II METHODS

Chair: J. Raymond DePaulo, Jr., MD

Henry Phipps Professor and Chair, Department of Psychiatry; Psychiatrist-In-Chief, Johns Hopkins University

2:15 – 2:40 PM	MRI (sMRI, MRS, fMRI, DTI): Methodologies and biomarkers Ed Bullmore, FMedSci <i>Professor of Psychiatry, Head and Brain Mapping Unit, University of Cambridge</i>
2:40 – 3:05 PM	PET Anissa A. Abi-Dargham, MD <i>Professor of Clinical Psychiatry & Radiology Associate Director of the Columbia University PET Center, Chief, Division of Translational Imaging, Department of Psychiatry Columbia University & New York State Psychiatric Institute</i>
3:05 – 3:30 PM	Genetics Patrick F. Sullivan, MD, FRANZCP <i>Professor and Director, Department of Genetics Psychiatric Genomics, University of North Carolina</i>
3:30 – 3:55 PM	Break
3:55 – 4:05 PM	Discussant Comments led by Dr. DePaulo
4:05 – 4:25 PM	General Discussion led by Dr. DePaulo
5:30 – 7:00 PM	POSTER SESSION Sponsored by

FRIDAY, 7 MARCH

8:00 – 8:50 AM	Round table discussion: Early career and new investigators led by Linda B. Cottler, PhD, MPH <i>Dean's Professor and Chair of Epidemiology; College of Public Health and Health Professions and College of Medicine; Professor of Psychiatry, University of Florida</i> John H. Krystal, MD <i>Robert L. McNeil Jr. Professor of Translational Research; Chair, Department of Psychiatry, Yale University School of Medicine; Chief of Psychiatry, Yale-New Haven Hospital</i> Monica Uddin, PhD <i>Assistant Professor, Psychiatry & Behavioral Neurosciences, Center for Molecular Medicine and Genetics, Wayne State University</i>
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8:30 – 9:00 AM	Registration and Continental Breakfast
	SESSION II METHODS CONT. Chair: Robert M.A. Hirschfeld, MD <i>Titus H. Harris Chair, Harry K. Davis Professor; Professor and Chair Department of Psychiatry, University of Texas Medical Branch</i>
9:00 – 9:05 AM	***Presentation of Hoch Award to John H. Krystal, MD <i>Yale University</i>
9:05 – 9:35 AM	Glutamate Synaptic Dysfunction in Schizophrenia: Microcircuits, Macrocircuits, and Novel Therapeutics John H. Krystal, MD <i>Yale University</i>
9:35 – 10:00 AM	Serologically based biomarkers Alan S. Brown, MD, MPH <i>Professor of Psychiatry & Epidemiology; Director, Unit in Birth Cohort Studies; New York State Psychiatric Institute; Department of Psychiatry, Columbia University</i>
10:00 – 10:25 AM	Pluripotent cells emerging technologies Kristen J. Brennand, PhD <i>Assistant Professor of Psychiatry & Neuroscience, Icahn School of Medicine at Mount Sinai; Department of Psychiatry</i>
10:25 – 10:45 AM	Break
10:45 – 11:10 AM	Cortical electrophysiology György Buzsáki, MD, PhD <i>Biggs Professor of Neural Sciences, New York University Neuroscience Institute; Department of Physiology & Neuroscience, New York University, Langone Medical Center</i>
11:10 – 11:20 AM	Discussant Comments led by Dr. Hirschfeld
11:20 – 11:35 AM	General Discussion led by Dr. Hirschfeld
11:35 AM – 12:30 PM	APPA Annual Business Meeting (members only)
12:30 – 2:00 PM	Lunch

SESSION III PROMISING BIOMARKERS

Chair: Mary Jeanne Kreek, MD

Patrick E. and Beatrice M. Haggerty Professor, Head of the Laboratory of the Biology of Addictive Diseases, The Rockefeller University, Senior Physician, The Rockefeller University Hospital

2:00 – 2:25 PM

The Psychogenics Model

Eric J. Nestler, MD, PhD

Professor and Chair, Neuroscience; Nash Family Professor of Neuroscience; Director of the Friedman Brain Institute, Icahn School of Medicine at Mount Sinai

2:25 – 2:50 PM

Towards predicting autism: Pre-symptomatic detection in infancy

Joseph Piven, MD

Thomas E. Castleoe Distinguished Professor of Psychiatry, Pediatrics, and Psychology; Carolina Institute for Developmental Disabilities; University of North Carolina

2:50 – 3:15 PM

Schizophrenia

Maria Karayiorgou, MD

Professor of Psychiatry in Genetics & Physiology, Acting Chief of the Division of Medical Genetics; Department of Psychiatry, Columbia University

3:15 – 3:40 PM

Break

3:40 – 4:05 PM

Alcoholism

George F. Koob, PhD

Director, National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health

4:05 – 4:15 PM

Discussant comments by Dr. Kreek

4:15 – 4:40 PM

General discussion led by Dr. Kreek

SATURDAY, 8 MARCH

8:00 – 8:45 AM

Registration and Continental Breakfast

8:45 – 9:05 AM

*****Presentation of Robins/Guze Award to TBA**

9:05 – 9:20 AM

*****Presentation of Hamilton Award to Jeffrey A. Lieberman, MD**

9:20 – 9:45 AM

Ethics and using biomarkers

Robert L. Klitzman, MD

Director, Masters of Bioethics Program, Columbia University

SESSION III PROMISING BIOMARKERS CONT.

Chair: Shelli Avenevoli, PhD

Chief, Developmental Trajectories of Mental Disorders Branch, National Institute of Mental Health, National Institutes of Health

- | | |
|---------------------|---|
| 9:45 – 10:10 AM | Optimizing treatment for depression using brain imaging
Helen S. Mayberg, MD
<i>Professor, Psychiatry, Neurology, and Radiology; Dorothy C. Fuqua Chair in Psychiatric Neuroimaging and Therapeutics, Emory University School of Medicine, Department of Psychiatry</i> |
| 10:10 – 10:35 AM | Overview and preliminary data from the Establishing Moderators/Mediators for a Biosignature of Antidepressant Response in Clinical Care (EMBARC) multi center study
Ramin V. Parsey, MD, PhD
<i>Professor and Chair, Department of Psychiatry and Behavioral Science; Professor of Radiology; Director of PET Research, Co-Director of the Neurosciences Institute, Stony Brook University</i> |
| 10:35 – 11:00 AM | Break |
| 11:00 – 11:25 AM | Biomarkers in Alzheimer's disease
Steven M. Paul, MD
<i>Director of the Helen and Robert Appel Alzheimer's Disease Research Institute; Professor of Neurology (Neuroscience) and Psychiatry, Weill Cornell Medical College</i> |
| 11:25 – 11:50 AM | Biomarkers in PTSD
Charles R. Marmar, MD
<i>Lucius N. Littauer Professor and Chair, Department of Psychiatry New York University, Langone Medical Center</i> |
| 11:50 AM – 12:00 PM | Discussant comments by Dr. Avenevoli |
| 12:00 – 12:15 PM | General discussion led by Dr. Avenevoli |
| 12:15 PM | 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 Laurretta 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 Eveleyn J. Bromet
1941-42 Roscoe W. Hall	1979 Jonathan O. Cole	2014 Jeffrey A. Lieberman
1943-44 Frederick L. Wells	1980 Donald F. Klein	2015 Carol North
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	

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 web-site at: www.appassn.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 C. 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
2013	Maria Kovacs	Gabrielle A. Carlson	James Kirkbride
2014	John H. Krystal	Irving I. Gottesman	

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