

CELEBRATING

Stephen A. Lieber

A Global Champion
of Psychiatric Research

SCIENTIFIC COUNCIL DINNER PRESENTING
THE KLERMAN & FREEDMAN AWARDS

FRIDAY, JULY 29, 2022



Tonight is a very special evening as we celebrate the extraordinary life of Stephen A. Lieber, a global champion of psychiatric research.

Steve, along with his wife Connie, passionately believed in seeding the field of neuropsychiatric research with as many talented scientists as possible to make a substantive impact on the broad spectrum of mental health research. Steve fervently understood that research holds our best hope for alleviating the immense suffering caused by mental illness.

Steve saw the need to nurture and encourage young scientists. For this reason, it is especially appropriate that this evening we also honor the hallmark program of the Brain & Behavior Research Foundation—the Young Investigator Grant program—that enables aspiring young scientists with innovative ideas to garner pilot data and generate “proof of concept” for their work.

The Klerman & Freedman Prizes recognize exceptional clinical and basic research conducted by BBRF Young Investigator Grantees. The prizewinners are selected by committees of the Foundation’s Scientific Council, led by its founding President, Dr. Herbert Pardes.

Tonight, six young researchers are being recognized for significant findings related to schizophrenia, psychosis, depression, neurodevelopmental disorders, and the biology of brain circuitry. Their important work is furthering the quest to identify the biological roots of mental illness to enable the development of new diagnostic tools, more effective and targeted treatments, and to pave the way toward prevention.

We hope that as you learn about the achievements of this evening’s honorees they will inspire your continued support of Steve and Connie’s vision of a future in which all people with a psychiatric condition lead full, productive, and happy lives.



Sincerely,

A handwritten signature in black ink that reads "Jeff Borenstein". The signature is fluid and cursive, written over a light gray rectangular background.

Jeffrey Borenstein, M.D.
President & CEO

ANNUAL KLERMAN PRIZE FOR EXCEPTIONAL CLINICAL RESEARCH

Shan H. Siddiqi, M.D.

*Harvard University
Brigham and Women's Hospital*

HONORABLE MENTIONS

Rachel Emma Lean, Ph.D.

Washington University School of Medicine, St. Louis

Sunny Xiaojing Tang, M.D.

*Feinstein Institutes for Medical Research, Institute of Behavioral Science
Zucker School of Medicine, Hofstra/Northwell Health*

ANNUAL FREEDMAN PRIZE FOR EXCEPTIONAL BASIC RESEARCH

Antonio Fernandez-Ruiz, Ph.D.

Cornell University

HONORABLE MENTIONS

Chandramouli Chandrasekaran, Ph.D.

*Boston University
Boston University School of Medicine*

Mohsen Jamali, M.D., Ph.D.

*Massachusetts General Hospital
Harvard Medical School*

About the Prizes

The Klerman & Freedman Prizes pay tribute to Drs. Gerald L. Klerman and Daniel X. Freedman, whose legacies as researchers, teachers, physicians and administrators have indelibly influenced neuropsychiatry. Their outstanding contributions to the field of brain and behavior research continue to inspire scientists who knew them, as well as those who are just entering the field.

KLERMAN Prizewinners

- 1995** Dr. Rajiv Tandon
1996 Dr. Hans C. Brieter
1997 Dr. Schahram Akbarian
1998 Dr. Michael Maes
1999 Dr. Andrew L. Stoll
2000 Dr. Susan K. Schultz
2001 Dr. Cameron S. Carter
Dr. Josephy R. Hibbeln
Dr. Sarah H. Lisanby
Dr. Perry F. Renshaw
2002 Dr. E. Sherwood Brown
Dr. John W. Newcomer
2003 Dr. Ramin Mojtabai
2004 Dr. Helen Link Egger
Dr. Joan L. Luby
2005 Dr. Melissa P. DelBello
2006 Dr. Hilary P. Blumberg
2007 Dr. Beng-Choon Ho
2008 Dr. Gabriel Alejandro
de Erausquin
2009 Dr. Alina Suris
2010 Dr. Daniel P. Dickstein
Dr. Mani N. Pavuluri
2011 Dr. Chadi Calarge
2012 Dr. Jess G. Fiedorowicz
2013 Dr. James McPartland
2014 Dr. Denis Jabaudon
2015 Dr. Alan Anticevic
2016 Dr. Katie McLaughlin
2017 Dr. Jennifer C. Felger
2018 Dr. Albert R. Powers III
2019 Dr. Nolan R. Williams
2020 Dr. Ellen Lee
2021 Dr. Nicholas L. Balderston

KLERMAN Honorable Mentions

- 1995** Dr. Elizabeth D. Abercrombie
Dr. Kim T. Mueser
Dr. Jose V. Pardo
1996 Dr. Steven E. Arnold
Dr. Helen S. Mayberg
1997 Dr. Andrew J. Francis
Dr. Katharine A. Phillips
1998 Dr. Cameron S. Carter
Dr. Mark R. Serper
1999 Dr. Shitij Kapur
Dr. Brian F. O'Donnell
2000 Dr. Mark S. George
Dr. Sohee Park
2002 Dr. Stephan Heckers
Dr. Anissa Abi Dargham
Dr. Jeffrey H. Meyer
Dr. Yvette I. Sheline
2003 Dr. Catherine Monk
Dr. Gerard Sanacora
2005 Dr. Anne L. Glowinski
Dr. Gerard Sanacora
2006 Dr. Stephan Eliez
Dr. Jordan W. Smoller
2007 Dr. Yuval Y. Neria
Dr. Carolyn M. Salafia
2011 Dr. Brian M. D'Onofrio
Dr. Jennifer S. Silk
2012 Dr. Johanne Renaud
Dr. Manpreet Kaur Singh
2013 Dr. Daniel Mueller
Dr. Andrea Danese
2014 Dr. Mazen A. Kheirbek
Dr. Bo Li
2015 Dr. Chadi Abdallah
Dr. Carrie J. McAdams
2016 Dr. Erin C. Dunn
Dr. Avram Holmes
2017 Dr. Danai Dima
Dr. Carolyn Rodriguez
2018 Dr. Timothy Y. Mariano
2019 Dr. Bo Cao
Dr. Sarah A. O. Gray
2020 Dr. Soonjo Hwang
Dr. Hadar Ben-Yoav
2021 Dr. Hengyi Cao
Dr. Nolan R. Williams

KLERMAN PRIZE

The Klerman Prize, established in 1994 by Myrna M. Weissman, Ph.D., in memory of her late husband, Gerald L. Klerman, M.D., honors exceptional clinical research by a BBRF Young Investigator Grantee. A distinguished psychiatric researcher and mentor at the National Institute of Mental Health (NIMH), Dr. Klerman pioneered studies of psychotropic medications and developed and tested interpersonal psychotherapy. Dr. Weissman serves on the BBRF Scientific Council.

KLERMAN PRIZE SELECTION COMMITTEE

Responsible for selecting the Klerman Prizewinners, the following BBRF Scientific Council members make up the Selection Committee:

CHAIR

Robert M.A. Hirschfeld, M.D.

*Well Cornell Medical College
Cornell University*

MEMBERS

Martin B. Keller, M.D.

Brown University

Nina R. Schooler, Ph.D.

*State University of New York,
Downstate*

**Karen Dineen Wagner, M.D.,
Ph.D.**

*University of Texas Medical Branch
at Galveston*

2022 KLERMAN PRIZEWINNER FOR EXCEPTIONAL CLINICAL RESEARCH



Shan H. Siddiqi, M.D.

*Brigham & Women's Hospital
Harvard Medical School*

2019 BBRF Young Investigator

Dr. Siddiqi's research is focused on causal mapping of human brain function and dysfunction. Using techniques such as functional connectivity MRI, he maps brain circuits to link brain lesions and brain stimulation sites that can modify different psychiatric symptoms. These circuits can then be targeted with treatments such as transcranial magnetic stimulation (TMS) and deep brain stimulation (DBS) to alleviate symptoms in psychiatric disorders. His BBRF-funded project, which sought to validate the existence of personalized circuit-based treatment targets for different depressive symptom clusters, has grown greatly in scope. Dr. Siddiqi's team is testing these treatment targets in a real-world clinical trial which may indicate how to personalize treatment targets based on a patient's symptom profile. They have also developed methods to expand their approach to different syndromes and comorbidities, such as addiction and PTSD. The lab is also implementing precision brain network mapping techniques to further personalize treatment targets based on brain connectivity.

"It is truly humbling to be named amongst this illustrious group of distinguished thinkers, including the late Dr. Klerman himself. The astounding support I've received from BBRF (and the field at large) will serve as an ongoing reminder to keep pushing towards better treatments for mental illness. My BBRF grant has provided much-needed early support towards my vision of bringing circuit-targeted neuromodulation to clinical psychiatry. This was instrumental in launching my career at a stage when many investigators struggle to find their footing."

2022 KLERMAN PRIZE

HONORABLE MENTION



Rachel Emma Lean, Ph.D.
*Washington University School of
Medicine, St. Louis*

2019 BBRF Young Investigator

Dr. Lean's research broadly focuses on the neurobiological and socio-environmental mechanisms of executive dysfunction, which is a major transdiagnostic risk factor for developmental psychopathology. She is currently examining the very early development of top-down cognitive processes such as executive function in early childhood in a cohort of socially-diverse children followed from birth to age 3 years, and uses diffusion and resting-state functional MRI to assess the structural and functional neural underpinnings of emerging executive function skills. She is also seeking to understand the extent to which exposure to different types of parenting behaviors in the first years of life shapes infant brain structural and functional connectivity in key brain regions underlying executive function.

Dr. Lean's recent research has focused on linking prenatal exposure to poverty with altered brain connectivity in the first weeks of life, with attention to microstructural alterations for the cingulum, uncinata, and fornix and functional alterations in central executive networks. Recent work has also examined neonatal structural and functional brain connectivity in relation to variability in executive function skills at age 2 years, and has found that maternal attunement to infant mental states may strengthen cingulum-executive function relationships.

"I am deeply honored to receive an Honorable Mention for the 2022 Klerman Prize and I am sincerely grateful to have had my research supported by the BBRF. This award inspires me to continue to pursue a research career in the area I am most passionate about, seeking to understand how the earliest alterations in brain connectivity might be shaped by the caregiving environment, to prevent the emergence of psychiatric disorders in childhood."

2022 KLERMAN PRIZE HONORABLE MENTION



Sunny Xiaoqing Tang, M.D.

*Feinstein Institutes for Medical Research,
Institute of Behavioral Science
Zucker School of Medicine,
Hofstra/Northwell Health*

2019 BBRF Young Investigator

Dr. Tang's area of expertise is in technology and psychosis, particularly using automated computerized methods to generate quantitative markers of psychosis and related disorders. She uses the latest technology to better understand and treat psychiatric disorders—particularly psychotic disorders, like schizophrenia. With the aim of developing better treatments and preventive measures, she seeks to understand the brain changes that occur during psychosis, including those linked with social impairments and language changes, which are very prominent in psychotic disorders and negatively impact an individual's quality of life.

Dr. Tang says she has always been intellectually interested in understanding how the mind works. "It's my actual interactions with people with mental illness that convinced me to devote my career to psychiatry—their remarkable resilience and the vibrant sense of self and purpose that shines through despite overwhelmingly distressing symptoms. This is the inspiration for all my work." Her ultimate goal, she says, is "to develop a cost-effective automatic tool that provides quantitative measurements relevant to the brain—for example, an instantaneous lab result that guides diagnosis and treatment decisions."

"As an early-career investigator and physician-scientist-mom, I'm extremely grateful to be recognized and supported for my work—it provides both material and motivational support for me to continue devoting my efforts to improving the understanding and treatment of psychosis using innovative technologies."

FREEDMAN Prizewinners

- 1998** Dr. Yukiko Goto
1999 Dr. Stewart A. Anderson
2000 Dr. Edwin G. Abel
2001 Dr. Kelsey C. Martin
2002 Dr. Jon R. Backstrom
2003 Dr. Jose A. Esteban
2004 Dr. Luca Santarelli
2005 Dr. Lisa M. Monteggia
2006 Dr. Michael D. Ehlers
2007 Dr. Thomas A. Blanpied
2008 Dr. Evelyn K. Lambe
2009 Dr. Kerry J. Ressler
2010 Dr. David A. Baker
2011 Dr. Alexandre Bonnin
2012 Dr. Zhiping Pang
2013 Dr. Garret Stuber
2014 Dr. Theodore D. Satterthwaite
2015 Dr. Michael M. Halassa
2016 Dr. Kay Tye
2017 Dr. Ilana Witten
2018 Dr. Byungkook Lim
2019 Dr. Anna Victoria Molofsky
2020 Dr. Cody A. Siciliano
2021 Dr. Meaghan Creed

FREEDMAN Honorable Mentions

- 1998** Dr. Eric E. Turner
Dr. Elizabeth Van Bockstaele
1999 Dr. Emmanuel N. Pothos
Dr. Laurence H. Tecott
2000 Dr. Wayne Drevets
Dr. Bernice E. Morrow
2001 Dr. Michael J. Caterina
Dr. Aurelio A. Galli
2002 Dr. Michael W. Quick
Dr. Fu-Ming Zhou
2003 Dr. William A. Carlezon
Dr. Gleb P. Shumyatsky
2004 Dr. Michael D. Ehlers
Dr. Sheena Ann Josselyn
2005 Dr. Steven A. Thomas
Dr. Fang Liu
2006 Dr. Stewart A. Anderson
Dr. Gabriella D' Arcangelo
Dr. Karoly Mirnics
2007 Dr. Fang Liu
Dr. Luca Santarelli
2008 Dr. M. Margarita Behrens
Dr. Akira Sawa
2009 Dr. Jean-Martin Beaulieu
Dr. Colleen Ann McClung
2010 Dr. Vincent P. Ferrera
Dr. Benjamin Philpot
2011 Dr. Alberto Bacci
Dr. Andrew A. Pieper
2012 Dr. Marie Carlen
Dr. Genevieve Konopka
2013 Dr. Carmen Andreescu
Dr. David Foster
Dr. Hiroki Taniguchi
2014 Dr. Elena Ivleva
Dr. Aristotle N. Voineskos
2015 Dr. Kristen J. Brennand
Dr. Nandakumar Narayanan
2016 Dr. Conor Liston
Dr. Margaret Cho
2017 Dr. Marcelo de Oliveiera Dietrich
Dr. Elise B. Robinson
2018 Dr. Christina Gremel
Dr. Ueli Rutishauser
2019 Dr. Erin S. Calipari
Dr. Dorothy Schafer
2020 Dr. Kevin Beier
Dr. Lorna A. Farrelly
2021 Dr. Denise Cai
Dr. Tomasz J. Nowakowski

FREEDMAN PRIZE

The Freedman Prize honors the late Daniel X. Freedman, M.D., a pioneer in biological psychiatry and psychopharmacology and a founding member of the Brain & Behavior Research Foundation Scientific Council. It is awarded to a BBRF Young Investigator Grantee for exceptional basic research.

FREEDMAN PRIZE SELECTION COMMITTEE

Responsible for selecting the Freedman Prizewinners, the following BBRF Scientific Council members make up the Selection Committee:

CHAIR

Ariel Y. Deutch, Ph.D.
Vanderbilt University

MEMBERS

Joseph T. Coyle, M.D.
*McLean Hospital
Harvard Medical School*

Cecilia Flores, Ph.D.
McGill University

Peter W. Kalivas, Ph.D.
Medical University of South Carolina

Eric J. Nestler, M.D., Ph.D.
Icahn School of Medicine at Mount Sinai

Marina Picciotto, Ph.D.
*Yale University
Yale School of Medicine*

2022 FREEDMAN PRIZEWINNER FOR EXCEPTIONAL BASIC RESEARCH



**Antonio Fernandez-Ruiz,
Ph.D.**

Cornell University

2019 BBRF Young Investigator

The overarching aim of Dr. Fernandez-Ruiz's research is to understand how neuronal dynamics in distributed brain circuits support complex cognitive functions and how small imbalances can lead to pathological states. This process is supported by the fine-tuned coordination of different neuronal populations in distributed brain circuits. A major obstacle to answering this question is limitations imposed by current technology; thus, the lab seeks to develop new methods for a more precise interrogation and manipulation of brain circuit dynamics in behaving animals.

Specifically, Dr. Fernandez-Ruiz is investigating the computations and underlying cellular mechanisms that support the role of hippocampo-cortical interactions in learning, memory, and decision-making during normal and pathological states. His team tackles these questions by developing and applying cutting-edge experimental and analytical techniques in rodents. They investigate alterations in hippocampal and cortical circuit dynamics underlying memory deficits in genetic mouse models of Alzheimer's disease and schizophrenia. They seek to develop novel intervention strategies, such as closed-loop optogenetic manipulations of neural dynamics, to reverse pathological memory deficits.

“Winning this prize was completely unexpected. Looking at the list of previous awardees and finalists I feel truly honored to be in such impressive company of researchers who have contributed so much to the advancement of both fundamental and translational neuroscience.”

2022 FREEDMAN PRIZE

HONORABLE MENTION



Chandramouli Chandrasekaran, Ph.D.

Boston University

Boston University School of Medicine

2019 BBRF Young Investigator

Dr. Chandrasekaran's scientific objective is to understand neural circuit dynamics in cortical and subcortical areas of the monkey brain that mediate decision-making, an integral part of everyday life profoundly impacted by mental illness. His approach is to train macaque monkeys to perform sophisticated cognitive tasks that involve decision-making and record from their brains while they perform these tasks. Data are analyzed using machine-learning methods to derive insights into the neural population dynamics that underlie cognition; recurrent neural networks and other modeling techniques are employed to understand the computations that underlie cognition. The translational objective is to use these insights to guide the development of new circuit-level therapies, brain-machine interfaces, and drugs for mental illness and neurological disorders.

"Circuit-level therapy" involves the alteration of activity of various cells to rescue aberrant dynamics in a relevant circuit. Understanding how different cell types in the brain orchestrate mental function is a prerequisite for such therapies.

Dr. Chandrasekaran's work addresses this by using machine-learning to develop a method to analyze electrophysiological signals. This method has already helped better identify candidate cell types in the non-human primate brain and how these candidate cell types participate in cognition.

"As I am an early-career investigator, the Freedman Prize Honorable Mention is a great honor. It acts as a fillip to tackle the hard scientific problems in systems neuroscience and ultimately use the solutions to these problems to help develop therapies for mental illness and neurological disorders."

2022 FREEDMAN PRIZE

HONORABLE MENTION



Mohsen Jamali, M.D., Ph.D.
*Massachusetts General Hospital
Harvard Medical School*

2019 BBRF Young Investigator

Dr. Jamali shares a long-standing goal in cognitive neuroscience: to unravel the neuronal basis of social cognition and the processes underpinning its dysfunction in humans. To this end, by directly recording from single neurons and implementing computational modeling, he seeks to better understand single-neuronal and population dynamics that drive high-level cognitive processes, how these systems are disrupted in human cognitive disorders, and how they may be targeted to improve symptoms. Dr. Jamali notes that despite significant progress in understanding basic aspects of sensorimotor behavior in animal models, our understanding of the neuronal basis of human social cognition remains limited. The human electrophysiology research at Massachusetts General Hospital offers a unique window to understand these foundational neurobiological properties in awake, interacting subjects that is otherwise not possible in animal models. His research specifically aims to reveal neural computations performed during social reasoning and to shed light on the neurocircuitry impairments in psychosocial disorders such as autism.

“I am thrilled and honored to have received the Honorable Mention for the Freedman Prize. I would like to thank the BBRF as their support has been instrumental in moving my career path toward an independent neuroscientist and offers promising avenues for translating my basic scientific findings into potential biomarkers for the diagnosis as well as treatments of psychosocial disorders such as autism spectrum disorder.”

BBRF SCIENTIFIC COUNCIL

PRESIDENT

Herbert Pardes, M.D.

VICE PRESIDENT EMERITUS

Floyd E. Bloom, M.D.

Ted Abel, Ph.D.
Anissa Abi-Dargham, M.D.
Nii A. Addy, Ph.D.
Susanne E. Ahmari, M.D., Ph.D.
Schahram Akbarian, M.D., Ph.D.
Susan G. Amara, Ph.D.
Stewart A. Anderson, M.D.
Nancy C. Andreasen, M.D., Ph.D.
Victoria Arango, Ph.D.
Amy F.T. Arnsten, Ph.D.
Gary S. Aston-Jones, Ph.D.
Randy P. Auerbach, Ph.D.
Jay M. Baraban, M.D., Ph.D.
Deanna M. Barch, Ph.D.
Jack D. Barchas, M.D.
Samuel H. Barondes, M.D.
Carrie E. Bearden, Ph.D.
Francine M. Benes, M.D., Ph.D.
Karen F. Berman, M.D.
Wade H. Berrettini, M.D., Ph.D.
Randy D. Blakely, Ph.D.
Pierre Blier, M.D., Ph.D.
Hilary P. Blumberg, M.D.
Vadim Bolshakov, Ph.D.
Antonello Bonci, M.D.
Kathleen T. Brady, M.D., Ph.D.
Kristen J. Brennand, Ph.D.
Robert W. Buchanan, M.D.
Peter F. Buckley, M.D.
Edward T. Bullmore, Ph.D.
William E. Bunney, Jr., M.D.
Joseph D. Buxbaum, Ph.D.
William Byerley, M.D.
Tyrone D. Cannon, Ph.D.
William Carlezon, Ph.D.
William T. Carpenter, Jr., M.D.
Cameron S. Carter, M.D.
Peter Jeffrey Conn, Ph.D.
Edwin H. Cook, Jr., M.D.
Richard Coppola, D.Sc.
Christopher W. Cowan, Ph.D.
Joseph T. Coyle, M.D.
Jacqueline N. Crawley, Ph.D.
Z. Jeff Daskalakis, M.D., Ph.D.
Karl Deisseroth, M.D., Ph.D.
J. Raymond DePaulo, Jr., M.D.
Robert Desimone, Ph.D.
Ariel Y. Deutch, Ph.D.
Ralph DiLeone, Ph.D.
Lisa Beth Dixon, M.D., M.P.H.
Wayne C. Drevets, M.D.
Kafui Dzirasa, M.D., Ph.D.
Guoping Feng, Ph.D.
Robert L. Findling, M.D., MBA
Stan B. Floresco, Ph.D.
Judith M. Ford, Ph.D.
Alan Frazer, Ph.D.
Robert Freedman, M.D.
Aurelio Galli, Ph.D.

Mark S. George, M.D.
Elliot S. Gershon, M.D.
Mark A. Geyer, Ph.D.
Jay N. Giedd, M.D.
Jay A. Gingrich, M.D., Ph.D.
James M. Gold, Ph.D.
David Goldman, M.D.
Joshua A. Gordon, M.D., Ph.D.
Elizabeth Gould, Ph.D.
Anthony A. Grace, Ph.D.
Raquel E. Gur, M.D., Ph.D.
Suzanne N. Haber, Ph.D.
Philip D. Harvey, Ph.D.
Stephan Heckers, M.D.
René Hen, Ph.D.
Takao K. Hensch, Ph.D.
Robert M.A. Hirschfeld, M.D.
Elliot Hong, M.D.
Yasmin L. Hurd, Ph.D.
Robert B. Innis, M.D., Ph.D.
Jonathan A. Javitch, M.D., Ph.D.
Daniel C. Javitt, M.D., Ph.D.
Dilip V. Jeste, M.D.
René S. Kahn, M.D., Ph.D.
Ned H. Kalin, M.D.
Peter W. Kalivas, Ph.D.
Eric R. Kandel, M.D.
Richard S.E. Keefe, Ph.D.
Martin B. Keller, M.D.
John R. Kelsoe, M.D.
Kenneth S. Kendler, M.D.
James L. Kennedy, M.D.
Robert M. Kessler, M.D.
Mary-Claire King, Ph.D.
John H. Krystal, M.D.
Amanda J. Law, Ph.D.
James F. Leckman, M.D., Ph.D.
Francis S. Lee, M.D., Ph.D.
Ellen Leibenluft, M.D.
Robert H. Lenox, M.D.
Pat R. Levitt, Ph.D.
David A. Lewis, M.D.
Jeffrey A. Lieberman, M.D.
Kelvin Lim, M.D.
Sarah Hollingsworth Lisanby, M.D.
Joan L. Luby, M.D.
Irwin Lucki, Ph.D.
Gary Lynch, Ph.D.
Robert C. Malenka, M.D., Ph.D.
Anil K. Malhotra, M.D.
Husseini K. Manji, M.D., F.R.C.P.C.
J. John Mann, M.D.
John S. March, M.D., M.P.H.
Stephen Maren, Ph.D.
Daniel H. Mathalon, Ph.D., M.D.
Helen S. Mayberg, M.D.
Carla A. Mazefsky, Ph.D.
Colleen A. McClung, Ph.D.
Ronald McKay, Ph.D.
James H. Meador-Woodruff, M.D.
Herbert Y. Meltzer, M.D.
Kathleen R. Merikangas, Ph.D.
Richard J. Miller, Ph.D.
Guo-Li Ming, M.D., Ph.D.
Karoly Mirnics, M.D., Ph.D.

Bitu Moghaddam, Ph.D.
Lisa M. Monteggia, Ph.D.
Charles B. Nemeroff, M.D., Ph.D.
Eric J. Nestler, M.D., Ph.D.
Andrew A. Nierenberg, M.D.
Patricio O'Donnell, M.D., Ph.D.
Dost Ongur, M.D., Ph.D.
Maria A. Oquendo, M.D., Ph.D.
Godfrey D. Pearlson, M.D., Ph.D.
Peter Penzes, Ph.D.
Mary L. Phillips, M.D., M.D. (CANTAB)
Marina R. Picciotto, Ph.D.
Daniel S. Pine, M.D.
Robert M. Post, M.D.
James B. Potash, M.D., M.P.H.
Susan Powell, Ph.D.
Pasko Rakic, M.D., Ph.D.
Judith L. Rapoport, M.D.
Perry F. Renshaw, M.D., Ph.D., M.B.A.
Kerry J. Ressler, M.D., Ph.D.
Victoria B. Risbrough, Ph.D.
Carolyn B. Robinowitz, M.D.
Carolyn Rodriguez, M.D., Ph.D.
Laura L. Roth, M.D., Ph.D.
John M. Rowland, Ph.D.
John L.R. Rubenstein, M.D., Ph.D.
Scott Russo, Ph.D.
Gerard Sanacora, M.D., Ph.D.
Akira Sawa, M.D., Ph.D.
Alan F. Schatzberg, M.D.
Nina R. Schooler, Ph.D.
Robert Schwarcz, Ph.D.
Yvette I. Sheline, M.D.
David A. Silbersweig, M.D.
Vikaas S. Sohal, M.D., Ph.D.
Matthew W. State, M.D., Ph.D.
Murray B. Stein, M.D., M.P.H. F.R.C.F.C.
Stephen M. Strakowski, M.D.
John S. Strauss, M.D.
Carol A. Tamminga, M.D.
Laurence H. Tecott, M.D., Ph.D.
Klay M. Tye, Ph.D.
Flora M. Vaccarino, M.D.
Rita J. Valentino, Ph.D.
Jeremy M. Veenstra-VanderWeele, M.D.
Susan M. Voglmaier, M.D., Ph.D.
Aristotle N. Voineskos, M.D., Ph.D.
Nora D. Volkow, M.D.
Karen Dineen Wagner, M.D., Ph.D.
Daniel R. Weinberger, M.D.
Myrna M. Weissman, Ph.D.
Marina E. Wolf, Ph.D.
Jared W. Young, Ph.D.
L. Trevor Young, M.D., Ph.D., F.R.C.P.C., F.C.A.H.S.
Carlos A. Zarate, Jr., M.D.
Jon-Kar Zubieta, M.D., Ph.D.

MEMBERS EMERITUS

George K. Aghajanian, M.D.
Huda Akil, Ph.D.
BJ Casey, Ph.D.
Dennis S. Charney, M.D.
Bruce M. Cohen, M.D., Ph.D.
Fred H. Gage, Ph.D.
Frederick K. Goodwin, M.D.
Fritz A. Henn, M.D., Ph.D.
Steven E. Hyman, M.D.
Samuel J. Keith, M.D.
Kenneth K. Kidd, Ph.D.
Rachel G. Klein, Ph.D.
Steven M. Paul, M.D.
Steven G. Potkin, M.D.
Bernardo Sabatini, M.D., Ph.D.
Solomon H. Snyder, M.D.
John A. Talbot, M.D.
Ming T. Tsuang, M.D., Ph.D., D.Sc.
Jim van Os, M.D., Ph.D., MRCPsych
Mark von Zastrow, M.D., Ph.D.

181 Scientific Council Members (21 Emeritus)

- 51 Members of the National Academy of Medicine
- 41 Chairs of Psychiatry & Neuroscience Departments
- 16 National Institute of Health Chiefs & Directors
- 7 Members of the National Academy of Sciences
- 3 Recipients of the National Medal of Science
- 2 Directors of the National Institute of Mental Health
- 1 Nobel Prize Winner

BOARD OF DIRECTORS

PRESIDENT & CEO

Jeffrey Borenstein, M.D.

PRESIDENT, SCIENTIFIC COUNCIL

Herbert Pardes, M.D.

Officers

CHAIRMAN

Geoffrey A. Simon

VICE PRESIDENT

Miriam E. Katowitz, C.P.A.

SECRETARY

John R. Osterhaus

TREASURER

Donald M. Boardman

Directors

Carol A. Atkinson

J. Anthony Boeckh

Judy Genshaft, Ph.D.

John Kennedy Harrison II

John B. Hollister

Carole H. Mallement

Milton Maltz

Jeffrey R. Peterson

Marc R. Rappaport

Mary Rubin

Virginia M. Silver

Ken Sonnenfeld, Ph.D., J.D.

Barbara K. Streicker

Barbara Toll

Robert Weisman, Esq.

THE BRAIN & BEHAVIOR RESEARCH FOUNDATION is committed to alleviating the suffering of mental illness by awarding grants that will lead to advances and breakthroughs in scientific research. The Foundation funds the most innovative ideas in neuroscience and psychiatry to better understand the causes and develop new ways to treat brain and behavior disorders.

Since 1987, the Foundation has awarded more than \$430 million to fund more than 5,100 leading scientists around the world. This has led to over \$4 billion in additional funding for these scientists. 100% of every dollar donated for research is invested in our research grants. Our operating expenses are covered by separate foundation grants.

RESEARCH FOR RECOVERY

35
years

For 35 years the BBRF has fostered new research pathways and transformative breakthroughs.

70k+
donors

Our 70,000 donors have joined together in the great challenge of modern medical science — overcoming mental illness.

\$430M
awarded

Since 1987 the Foundation has awarded more than \$430 million to fund more than 6,200 grants.

5,100+
researchers

Grants have been given to more than 5,100 leading scientists around the world.

100% OF EVERY DOLLAR
DONATED FOR RESEARCH
GOES TO RESEARCH

