

BRAIN & BEHAVIOR RESEARCH FOUNDATION

Scientific Council Dinner

Celebrating the Impact of

DR. HERBERT PARDES

on BBRF and on Psychiatric Research

&

Presenting the Klerman & Freedman Awards

FRIDAY, JULY 26, 2024

NEW YORK CITY

Tonight is a very special evening as we celebrate the extraordinary life of Herbert Pardes, M.D., a dynamic leader in psychiatry and mental health.

Dr. Pardes was a champion of mental health research. He believed it was vital to encourage and support talented scientists in their work to expand the frontiers of neuropsychiatric research, which he fervently believed was our best hope of ending the immense suffering caused by mental illness.

Dr. Pardes' legacy in the field of psychiatry is unparalleled. He played leadership roles in psychiatric care, neuroscience research, medical education, and health care policy.

BBRF remains dedicated to building upon Dr. Pardes' extraordinary legacy of expanding the frontiers of psychiatric research, with the same passion and commitment he lovingly shared with us for the past 37 years. This past May, the BBRF Board of Directors appointed Dr. Judy Ford as President of our Scientific Council, and Dr. John Krystal to continue to serve as the Council's Vice President.

This evening, we will also celebrate the BBRF Klerman & Freedman Prizes. These Prizes recognize exceptional clinical and basic research conducted by BBRF Young Investigator Grantees. The prizewinners are selected by special committees of the Foundation's Scientific Council. We thank our Council members for their time, expertise, and judgment to support the mission of the Foundation.

Tonight, five young researchers are being recognized for significant findings related to suicide prevention, PTSD, substance-use disorders, autism, brain biology, and therapeutic drug development. 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 BBRF and 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-colored background.

Jeffrey Borenstein, M.D.
President & CEO



ANNUAL KLERMAN PRIZE FOR EXCEPTIONAL CLINICAL RESEARCH

Juliet Beni Edgcomb, M.D., Ph.D.

University of California, Los Angeles

HONORABLE MENTION

Elizabeth V. Goldfarb, Ph.D.

Yale University

ANNUAL FREEDMAN PRIZE FOR EXCEPTIONAL BASIC RESEARCH

Christina K. Kim, Ph.D.

University of California, Davis

HONORABLE MENTIONS

Erin Gibson, Ph.D.

Stanford University

Hugo A. Tejada, Ph.D.

National Institute of Mental Health

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 Erasquin
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
2022 Dr. Shan H. Siddiqi
2023 Dr. Danella M. Hafeman

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
2022 Dr. Rachel Emma Lean
Dr. Sunny Xiaojing Tang
2023 Dr. Linden Parkes

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:

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in Galveston*

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Brown University

Nina R. Schooler, Ph.D.
*State University of New York,
Downstate Medical Center*

2024 KLERMAN PRIZEWINNER FOR EXCEPTIONAL CLINICAL RESEARCH



**Juliet Beni Edgcomb,
M.D., Ph.D.**

University of California, Los Angeles

2020 BBRF Young Investigator

Dr. Edgcomb seeks to develop a set of rules for clearly identifying children and adolescents with suicide-related symptoms from within noisy and complex electronic health record (EHR) data. This would be a significant step forward in suicide prevention. She has worked with an EHR “training set” that includes data from 400 children and adolescents, to identify those presenting to healthcare providers with suicidal thoughts and behaviors. The aim is to identify the predictive variables best defining each pertinent phenotype and to produce a predicted probability of each suicide-related phenotype for each child. She has recently expanded this research to develop and validate methods to detect suicide-related visits among 3,400 children. Preliminary findings reveal disparities in detection by age, sex, and race/ethnicity in existing strategies, and the potential for medical record phenotyping to attenuate disparities in detection of populations at-risk and in need.

“Receiving the Klerman Prize is an extraordinary honor that deeply humbles and inspires me. It is a recognition not just of individual efforts, but of the collaborative spirit and dedication that drive the field of psychiatric research. This accolade is a powerful reminder of our shared purpose. It energizes my commitment to advancing our understanding of mental health and reaffirms the importance of rigorous, compassionate research in transforming patient care.”

2024 KLERMAN PRIZE

HONORABLE MENTION



Elizabeth V. Goldfarb, Ph.D.
Yale University

2021 BBRF Young Investigator

The goal of Dr. Goldfarb's lab is to understand how stress changes the way we remember our lives and the consequences of these memories for later behavior. Her research takes a translational cognitive neuroscience approach that combines experimental tasks that measure different types of memories, analyses of brain responses using functional magnetic resonance imaging, and assessments of physiological responses and real-world behavior. This approach has yielded insights into the neural and cognitive mechanisms by which stress changes memories (including how stress can make memories stronger), how changes in memory influence future choices to engage in risky alcohol drinking, and, with the support of BBRF, has begun to uncover new ways that trauma and PTSD may alter the formation of new memories. The ultimate aim of this work is to identify memory markers of resilient responses to trauma and reveal targets for memory-related therapeutic interventions.

“It is an honor to have our research recognized with a Klerman Prize Honorable Mention. Receiving a BBRF grant allowed my lab to pursue a high-risk research question, providing us with our first opportunity to work directly with individuals with PTSD in order to gain insight into ways in which trauma exposure may enhance certain types of memories. I am grateful that the Klerman Prize committee recognized the importance of this research area and the incredible work of the trainees in my lab.”

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
2022 Dr. Antonio Fernandez-Ruiz
2023 Dr. Ritchie Chen

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 Sawada
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 Oliveira 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
2022 Dr. Chandramouli Chandrasekaran
Dr. Mohsen Jamali
2023 Dr. Madeline Andrews
Dr. Neir Eshel

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:

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Vanderbilt University

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Medical University of South Carolina

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Icahn School of Medicine at Mount Sinai

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

2024 FREEDMAN PRIZEWINNER FOR EXCEPTIONAL BASIC RESEARCH



Christina K. Kim, Ph.D.

University of California, Davis

2021 BBRF Young Investigator

Dr. Kim seeks to develop new methodologies for recording and perturbing neuronal activity in animal models, specifically in brain regions implicated in neuropsychiatric diseases. Specifically, her lab engineers technologies to identify molecular biomarkers in neurons modulated by novel therapeutic drugs for treating depression and anxiety. She aims to determine which specific neurons and molecules can be targeted to improve disease symptoms. The hope is that an understanding of the targeted cellular mechanisms of therapeutic drugs in the brain can serve as the basis for designing modifications to these agents to increase their specificity and reduce their undesired side effects.

“I am so grateful to be receiving the Freedman Prize from BBRF. It is a wonderful recognition that comes right at the beginning of my career. This award empowers me to continue pursuing challenging and risky problems in neuropsychiatric disease research.”

2024 FREEDMAN PRIZE

HONORABLE MENTION



Erin Gibson, Ph.D.
Stanford University

2021 BBRF Young Investigator

Dr. Gibson is studying the role of the circadian system in homeostatic processes, including neuroendocrine, immune, and neural stem-cell regulation. She has studied the effect of neuronal activity on myelin microstructure in health and disease. Dr. Gibson's lab seeks greater understanding of how glial cells, among the non-neuronal cells of the brain, modulate neural circuits throughout development and in brain disorders, with a focus on the intersection between sleep and glial biology in disorders such as autism spectrum disorders, multiple sclerosis, and Alzheimer's disease.

"As one who started a lab during the COVID pandemic, I am so honored to have been able to attract the amazing trainees who contributed to the work recognized by the Freedman Prize Honorable Mention. This award is truly a testament to their dedication and hard work that has allowed us to highlight the importance of the intersection of circadian/sleep and myelin biology in neuropsychiatric and neurodegenerative disorders."

2024 FREEDMAN PRIZE

HONORABLE MENTION



Hugo A. Tejada, Ph.D.
National Institute of Mental Health

2020 BBRF Young Investigator

Dr. Tejada's research focuses on the role of neuromodulation in processing information in limbic neural circuits under physiological conditions and in psychiatric disorders. Areas of interest include understanding how neuropeptides in cortical circuits regulate circuit function to regulate threat appraisal and the role of dopamine in shaping motivation and reinforcement through actions in brain reward circuitry. His BBRF-funded research has sought to identify the role of the endogenous opioid system in regulating cortical circuits. His team discovered how regulation of specific synaptic connections by opioid systems provides prefrontal cortical circuits a means to listen to distinct long-range networks implicated in threat processing. They also demonstrated that prefrontal cortical neurons that synthesize endogenous opioid peptides are activated by threats and that endogenous opioid peptides trigger changes in prefrontal cortical networks essential for limiting passive defensive behaviors.

“Receiving the Freedman Prize Honorable Mention is a testament to the dedication and collaboration of my team, and it reaffirms our commitment to understanding how the brain generates motivated adaptive behavior. This recognition not only honors our past achievements but more importantly fuels our ongoing and future endeavors aimed at elucidating the neuronal mechanisms underlying mental health disorders and novel approaches to treat them.”

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The Brain & Behavior
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in celebrating
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\$450+ MILLION

GRANTS

6,500



GRANTEES

5,400



UNIVERSITIES & MEDICAL CENTERS

599



COUNTRIES, INCLUDING THE U.S.

41



192 ACTIVE SCIENTIFIC COUNCIL MEMBERS

The all-volunteer BBRF Scientific Council is composed of leading experts across disciplines in brain & behavior research who review grant applications and recommend the most promising ideas to fund.

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- 46 Members of the National Academy of Medicine
- 43 Chairs of Psychiatry & Neuroscience Departments
- 14 National Institutes of Health Chiefs & Directors
- 7 Members of the National Academy of Sciences
- 3 Recipients of the National Medal of Science
- 1 Director of the National Institute of Mental Health
- 1 Nobel Prize Winner

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 \$450 million to fund more than 5,400 leading scientists around the world. This has led to over \$4.5 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 more than 35 years the Brain & Behavior Research Foundation has fostered new research pathways and transformative breakthroughs

70k+
donors

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\$450M+
awarded

Since 1987 the Foundation has awarded more than \$450 million to fund more than 6,500 grants.

5,400+
researchers

Grants have been given to 5,400 leading scientists around the world.

100% OF EVERY DOLLAR
DONATED FOR RESEARCH
GOES TO RESEARCH

