AMERICAN BRAIN FOUNDATION IMPACT REPORT



A LETTER FROM BOARD CHAIR DAVID DODICK, MD, FAAN, AND NEW EXECUTIVE DIRECTOR MICHELLE HERITAGE

Greetings American Brain Foundation Family,

We are excited about all that we have planned in 2024 to make our vision of a life without brain disease a reality. This is the first update coming to you with our new Executive Director, Michelle Heritage. She succeeds Jane Ransom, who retired at the end of 2023. We are grateful for Jane's incredible leadership over the years. Later in this report, you can learn more about Michelle and her passion for the Foundation's mission. Before we turn to the future, let's celebrate American Brain Foundation's 2023 victories, which were made with the generous support of our donors. 2023 was a pivotal year.

We were thrilled to launch American Brain Foundation's new \$10 million Cure One, Cure Many Award in neuroinflammation. This groundbreaking initiative will support research to better understand how neuroinflammation acts as an underlying mechanism across nearly all brain diseases, including conditions as seemingly disparate as Alzheimer's disease, multiple sclerosis, long COVID-19, and migraine. With this initiative, we are fostering unprecedented cross-industry collaboration between nonprofit organizations, pharmaceutical and biotech investors, philanthropists, and researchers. We are accepting applications later this year for research projects.

Thanks to the many donors whose investments made it possible to support the remarkable research of 31 early-career scientists who will be moving us closer to tomorrow's cures! These researchers are working on a wide spectrum of brain diseases with the focus on finding breakthroughs in one that can be applied to others.

Last year, we launched the "What Is Cure One, Cure Many" section of our website. The philosophy of Cure One, Cure Many drives our approach to investing in research across the full spectrum of brain diseases and disorders. Because the biology that drives brain diseases are connected, we know that when we make progress in one disease area, our research findings can yield insights that apply to other diseases as well. Please check out the new "Cure One Cure Many" interactive page on our website and let us know what you think.

Every study funded contributes to our vision of life without brain disease. Thank you for supporting the American Brain Foundation. We look forward to all that we'll be able to accomplish together in 2024.



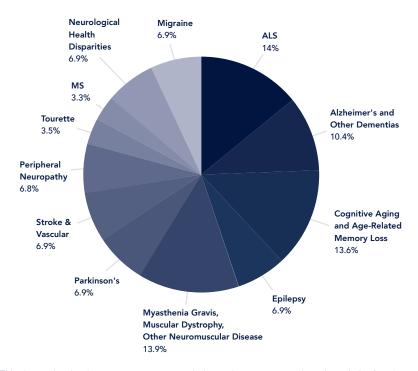
David Dodick, MD, FAANChair, Board of Directors



Michelle Heritage Executive Director

FUNDING WORLD-CLASS RESEARCH

Next Generation Research Grants Funded by Disease Area



This chart only takes into account grants awarded to early-career researchers through the American Brain Foundation's Next Generation Research Grants program. We also fund multi-year projects that cut across multiple disease areas through our Cure One, Cure Many Program.

Total Funds Raised in 2023:

\$10,619,029

54% Individuals

46% Corporations/ Foundations

"You may think that your small gift doesn't mean anything, but it all adds up."

 Ethan Henderson, Parkinson's disease advocate and caregiver

NEXT GENERATION RESEARCH GRANTS: FUNDING INNOVATIVE RESEARCH ACROSS BRAIN DISEASES

In 2023, the American Brain Foundation funded 31 Next Generation Research Grants across a range of brain diseases. Of these, 14 were for new recipients who started multi-year clinical research projects.



Marina Avetisyan, MD, PhD
Clinical Fellow in Medicine at Mass General Brigham

2023 Next Generation Research Grant Recipient

FTD and ALS are both neurodegenerative diseases that share many overlapping features. Dr. Avetisyan's project focuses on the role of neuroinflammation in both diseases and investigates whether inflammation contributes to the death of brain cells in each, which could lead to more effective diagnosis and treatment.



Robert Heuermann, MD, PhD Clinical Fellow at Washington University in St. Louis

2023 Next Generation Research Grant Recipient

Dr. Heuermann's project is investigating how pain signals are processed in the brains of people with Parkinson's disease in order to better understand why people with Parkinson's commonly experience increased pain sensitivity.

I truly believe we are on the verge of major breakthroughs for many of the most devastating brain diseases. I am deeply grateful to the American Brain Foundation for supporting my small part in this endeavor."

Q & A WITH MICHELLE HERITAGE

The American Brain Foundation's new Executive Director Michelle Heritage brings to the role a wealth of experience in leadership and a profound commitment to societal betterment and innovation. With a strong track record of success and a commitment to bold outcomes, Michelle will lead the American Brain Foundation into a new era of education, innovation and impact. Learn more about her below.

Q: What made you want to work with ABF?

A: My decision to join the American Brain Foundation, and my perspective as the incoming Executive Director, stem from a deep-seated dedication to mission-centric work. My professional journey is characterized by an enduring commitment to aiding vulnerable groups and seeking systemic change. ABF's mission to conquer brain diseases and disorders through research coincides with my own zeal for addressing complex health and societal issues.

ABF's comprehensive approach to brain disease research, which acknowledges the connected nature of neurological disorders, complements my belief in the strength of collaborative partnerships to meet challenges head-on. I was attracted to the Foundation's innovative initiatives, such as the Cure One, Cure Many program and Next Generation Research Grants, which reflect my own experiences in leading strategic, cooperative efforts. I eagerly anticipate spearheading initiatives that promise to expand scientific knowledge and cultivate a new generation of clinical neuroscience researchers.

My mother, father, sister, and I, have all been affected by brain disease so the mission of ABF is also very personal for me. My move to ABF represents a confluence of my professional strengths and personal values and offers me a unique opportunity to lead an organization that aligns closely with my life's work and aspirations.

Q: What are you most looking forward to after joining ABF?

A: I'm looking forward to helping to grow the Foundation's network of donors, researchers, and partners, so that we can amplify our ability to fund critical research and make strides in the prevention, treatment, and cure of brain diseases. I'm excited to expand our advocacy, education, and outreach efforts so we can raise awareness about brain diseases and disorders and mobilize support and resources to improve patient care and support systems. I also want to expand our DEI practices to ensure that ABF's research initiatives and grant programs are inclusive, addressing disparities in brain health and promoting diverse perspectives in neuroscience research.

Q: What does our Cure One, Cure Many philosophy mean to you?

A: The Cure One, Cure Many philosophy, which champions an innovative, interdisciplinary research approach transcending the scope of individual diseases to unearth collective solutions, is profoundly inspiring. My own journey of leading organizations through strategic changes with creative solutions makes this philosophy especially compelling. It provides an innovative perspective, challenging us to think expansively and beyond conventional limitations.

Share a fun fact (or facts) about yourself!

My journey with cooking is a personal passion that's all about the joy of learning and experimenting. After immersing myself in a 30-week classical French cooking course, exploring another 25 weeks with "Cooking the Great Chefs," and engaging in two 8-hour bread-making boot camps, I'm a pretty good cook but I'm still on the quest to bake a decent loaf of bread. It's a delightful challenge that keeps me humbly practicing and enjoying every step of the culinary adventure.

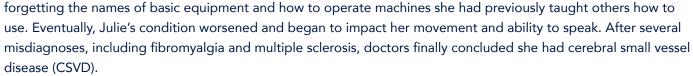


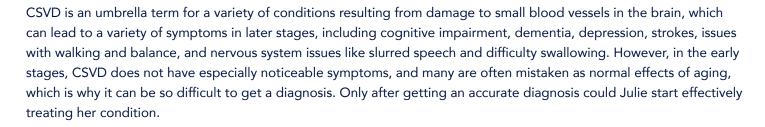
CONNECTIONS BETWEEN BRAIN DISEASES: JULIE'S STORY

"If you cure one [disease], it gives everyone else hope. And a lot of times with this disease, that's all you have."

— Julie Turner

Julie Turner was 54 when she received a life-changing diagnosis, but she could have been diagnosed years earlier. For years, Julie had experienced problems with her memory and thinking clearly. After decades of working in healthcare, she started





Because CSVD shares symptoms—and potentially causes—with other neurodegenerative brain diseases like Alzheimer's, Parkinson's, and MS, a discovery related to one disease can have a ripple effect on treatments and diagnosis for all the others. That's why ongoing research across the full spectrum of brain diseases and disorders is so important.



Neurological Healthcare Disparities with Bruce Ovbiagele, MD, MSc, FAAN

Monday, March 25, 8:00 pm Eastern, online

Commitment to Cures 2024

Saturday, April 13, 6:30 pm Mountain, Hyatt Regency Denver at Colorado Convention Center Harmony in Hospice: Maximizing Quality of Life at the End of Life with Maisha Robinson, MD, MSHPM, FAAN

Tuesday, May 21, 8:00 pm Eastern, online

Signs of Alzheimer's and Other Dementia with David Holtzman, MD

Wednesday, June 26, 2024, 8:00 pm Eastern, online

ORGANIZATION DONORS: THANK YOU FOR YOUR SUPPORT

\$1,000,000 AND ABOVE

Alzheimer's Association*

McKnight Brain Research Foundation*

The Michael J. Fox Foundation for Parkinson's Research*

NKGen Biotech

\$500,000 - \$999,999

The ALS Association*

American Academy of Neurology

The Foundation For Peripheral Neuropathy*

NFL Players Association

\$250,000 - \$499,999

The Mary Elizabeth Groff Charitable Trust*

National MS Society*

Parkinson's Foundation*

WoodNext Foundation

\$100,000 - \$249,999

American Heart Association*

Arrivederci ALD

The Association for Frontotemporal Degeneration

CReATe Consortium

Encephalitis Society*

Myasthenia Gravis Foundation of America

Neuromuscular Study Group*

Tourette Association of America

\$50,000 - \$99,999

American Epilepsy Society

Edgar J. Kenton, III MD Foundation*

Epilepsy Foundation

\$25,000 - \$49,999

Biogen

Electronic Arts

DraftKings

Fanatics

Mass General Brigham

\$10,000 - \$24,999

Cleveland Clinic

Genentech

JALABEKA Fund

Jeanne and Richard Kaskey Family Foundation

Mayo Clinic

Mitsubishi Tanabe Pharma America

National Hockey League Players Association

NexGen Hyperbaric

University of Rochester Department of Neurology

\$5,000 - \$9,999

Children's Sports Medicine Foundation

Carol McKean Events

Fredrikson & Byron, P.A.

Indiana University Health Neuroscience Center

m/Oppenheim

Mass General Brigham - Spaulding Rehabilitation

MdDS Balance Disorder Foundation

NYU Langone Health Department of Neurology

Thorne Research

Upsher-Smith Laboratories

Washington University School of Medicine,

Department of Neurology

\$2,500 - \$4,999

Anonymous

Beth Israel Deaconess Harvard Medical Center,

Department of Neurology

Boston Scientific

KGR Foundation

UCLA Department of Neurology

University of North Carolina at Chapel Hill,

Department of Neurology

Penn Medicine Neurology

University of Pittsburgh Department of Neurology

Virginia Commonwealth University Department of Neurology

Xenon Pharmaceuticals

\$1,000 - \$2,499

Evans Insulation Company

The Lagomarsino Foundation

Laura Lemle Family Foundation

Longwood Venues

The Standard

*Denotes multi-year pledge

"It's a certainty that the American Brain Foundation will harness the tidal wave of new discoveries in genetics, neuroimaging, and many other aspects of neuroscience to develop new treatments for hundreds of neurological diseases over the next few years.

- Robert C. Griggs, MD, FAAN

INDIVIDUAL DONORS: THANK YOU FOR YOUR SUPPORT

\$100,000 AND ABOVE

Anonymous*

\$50,000 - \$99,999

The Essey and Mikkelson Families

Dan and Kathy Grubb
Tim and Tracey McKeon
The Potamkin Family
Elnora J. Westegaard‡

\$25,000 - \$49,999

Jim Cramer Matthew Picard

\$10,000 - \$24,999

Anonymous

David and Martha Anderson Carmel and Deganit Armon* Marquise Hollywood Brown

Jani-Dhuna Foundation in honor of

Drs. Anil and Nikhil Dhuna Kevin and Linda Goodno Donna and Anders Gustafsson

Robert Hansford

Ben Lenail and Laurie Yoler

Noah Nordheimer The Potamkin Family

Jacob Toll

\$5,000 - \$9,999

Anonymous Brian Burns Simon Ke Chen

Merit Cudkowicz, MD, MSc

and Eugene Sorets Jim and Linda Ernst

Janet Jankowiak, MD and Michael Normile

Ralph Jozefowicz, MD, FAAN Jon and Merritt Marinelli David and Grace Mossman Jason and Kelly Perlewitz Jane and John Ransom

Sean Sansiveri Sterling Shepard Gary Susko Marybeth Tran Christian Watson

\$2,500 - \$4,999

Anonymous (3) Nicholas Chubb Diane Cunningham Dale and William Davison, MD, FAAN

Jacqueline French, MD, FAAN James Grotta, MD, FAAN Deborah Hall, MD, PhD, FAAN

Kyle Hamilton Andrew Imholte Jill Kawahigashi

Francis and Adele Kittredge Nancy Mueller, MD, FAAN Andrea and Mark Picard

Alyx Porter, MD, FAAN and Gregory

Umphrey, MD Brian Robinson

Maisha Robinson, MD, MS, FAAN

Susan Schneider Williams Joseph and Joan Sirven Harold Trischman Joseph Trpik

\$1,000 - \$2,499

Anonymous (6)
James R. Allen, MD
Deren Bader

Kevin and Shelley Baker Paul Barkhaus, MD, FAAN J. D. Bartleson, MD, FAAN Tracy and Lucy Batchelor

Jeremy Benoit Leslie Bruse

Terrence and Ellen Cascino

Daniel Costenaro

John and Margaret Cress

Josep Dalmau, MD, PhD, FAAN and Myrna Rosenfeld, MD, PhD, FAAN

Lily Daniali Debra DeMartini

Suhayl Dhib-Jalbut, MD, FAAN

David Eagleman, PhD Deanna Ekholm

Catherine and Dana Elliott

John Fetzer

Charles Flippen, II, MD, FAAN

Paul and May Gauvin Peter Goadsby, MD, PhD

Christine Gougar

Robert and Rosalyne Griggs Ludwig Gutmann, MD, FAAN Mark Hallett, MD, FAAN John and Margaret Hannam

Christine Hanson

Linda and Gary Harward Stephen Hauser, MD Shannon Healey Carol Henderson

Steven Horowitz, MD, FAAN

and Patricia Ramsay

Scot and Alison Humphrey Howard and Carolyn Hurtig Carlayne and E. Penn Jackson Erin and Glenn Jackson

Reid and Amanda Jackson Frances Jensen, MD, FAAN Karin Johnson, MD, FAAN Elaine Jones, MD, FAAN

Margaret Kasin Lorri Kaufman

Adam Kelly, MD, FAAN Barbara Koppel, MD, FAAN and Timothy Pedley, MD, FAAN

Maria Kreppel Patricia Lancaster Joyce Lee-lannotti, MD Jeffrey Lyness, MD Jennifer Mahne

Jennifer Majersik, MD, FAAN Jane and Michael Maloney

Christina Marra, MD, FAAN and Paul Silver

Michelle Matchie

Charles and Maryanne Meehan James Meschia, MD, FAAN William and Catherine Moberly Jeremy Moeller, MD, FAAN

M. Maral Mouradian Karolyn Mulvaney

Stephen and Susan Nadeau

Lillian Nelson

John and McKay Nutt Sandra Olson, MD, FAAN Daniel Orozco, MD Valerie and David Pace Tracy and Scott Parks

Patricia Penovich, MD, FAAN and Gerald

Moriarty, MD, FAAN

Ronald Petersen, PhD, MD, FAAN Mary Post, MBA, CAE and Scott Post

April Powers
Sharon Quimby
Haatem Reda, MD
Mindy and John Rittner
Sue and Kurt Rodmyre

Kyle and Rachelle Roeckeman Roger Rosenberg, MD, FAAN

Natalia Rost, MD, MPH, FAAN, FAHA Howard and Virginia Rutherford Michael and Linda Shabot Aziz Shaibani, MD, FAAN

Margo Shenbaga Betty Smith

Lewis Sudarsky, MD Austin and Jane Sumner Arturo Tamayo, MD Samuel Taylor, Jr., MD

William and Kathleen Thompson Jan-Mendelt Tillema, MD

Ezgi Tiryaki, MD, FAAN

Ileana Trevino

Brian Trimble, MD, MPH, FAAN

Jennifer Weston

Michael Wilson, MD, FAAN

\$500 - \$999

Anonymous (13)

John Absher, MD, FAAN Shruti Agnihotri, MD Jennifer Ahmadian, MD

Wade Athey

Angela Babb, CAE and Jeffrey Ehren

Srinivas Bandi, MD Michel Berg, MD, FAAN Chiara Bersi Serlini

Jennifer Bickel, MD, FAAN

and Curtis Young Marianne Biedermann

Thomas Bleck
David Bolduc
Kathryn Boyle
Margaret Brandson
Barbara Brooks
Anna Burke
Redmond Burke
Paul Burnette
Susan Cameron
Rebecca Carpenter

Trace Carson

Jerome and Moonhie Chin

Emily Christian

Stacey Clardy, MD, PhD, FAAN

Cortis Cooper

Susan and Eric Corcoran Amy Crepeau, MD Edward Dabrowski, MD James De Meules Wissam Deeb, MD

Bryan DeSouza, MD, FAAN

Matthew Dreisbach

Kamel Elzawahry, MD, FAAN

Gregory Fenton

Nancy Foldvary-Schaefer, DO, FAAN

Barbara Forster

Susan Fox Rosellini

Steven Galetta, MD, FAAN Smaranda Galis, MD, FAAN Erich and Janet Garland

Maura Gast

Omar and Terry Gobourne

Gabrielle Gonzalez

Daniel Gordon

Alan and Cheryl Greene Patricia Haggerty Sundee Hahn

Timothy and Katie Hansley

Peggy Havard

Susan Herman, MD, FAAN

Maureen Hermsen Rex Hickman

Lawrence Hirsch, MD, FAAN

Manisha Holmes, MD Holli Horak, MD, FAAN Kimberly Howard Martin Hyland Julie Jarvis David Jones, MD Branko Kaitovic Karen Kasmirski

John Kincaid, MD, FAAN

Christi Kokaisel

Randy Kershner

Jason and Sarah Kopinski

Amber Kurowski Diane Lane Warren Legner

Vanda Lennon, MD, PhD

Paton Lewis

Ava Liberman, MD

Samuel Mackenzie, MD, PhD Irene Malaty, MD, FAAN The Mariusei Family Fund of the

The Mariucci Family Fund of the Arizona Community Foundation

Claude Masear

Farrah Mateen, MD, PhD, FAAN Michelle and Darrin Maxwell

Robert Meadows, MD

Jose Merino, MD, MPhil, FAAN Boulenouar Mesraoua, MD, FAAN

Monique Michowski William Milusich Gerry Mitchell

Teshamae Monteith, MD, FAAN

John Morris, MD, FAAN and Lucy Morris

Tahseen Mozaffar, MD, FAAN

Paul Muscat, MD

Kevin Myren

Stephanie Nahas, MD, FAAN

Esther Ndemo

Brandon O'Daniell Page Pennell, MD Erik Pioro, MD, FAAN Suzanne Powell, MD Jeffrey Ratliff, MD Fredy Revilla, MD, FAAN

Kelly Ricker

Lynee and Rod Robson Walter Royal, MD William Russell

Joseph Safdieh, MD, FAAN Murray and Kristi Sagsveen

Tabitha Sanbower

Donald Sanders, MD, FAAN
Aarti Sarwal, MD, FAAN
Debra Scarborough
Logan Schneider, MD
Courtney Schusse, MD
Lorraine and Richard Schwarz

Dan Schweitzer

James F. Selwa, MD, MBA and Linda M. Selwa, MD, FAAN

Reza Seyedsadjadi, MD

Morteza Shamsnia, MD, FAAN Vicki Shanker, MD, FAAN Christopher Sheehan

Denise Shouse

Lisa Shulman, MD, FAAN Matthew and Lynn Simmons

Vineeta Singh, MD Andrew Southerland, MD

Chat Stacey
Mark Steudel
Sara Stiklickas
Jeremy Toler, MD
Christina Washburn
Marc Wasserman, MD

Michael and Alejandra Waters

David Williams, MD

Vernon Williams, MD, FAAN

Toni Wolfman Dario Zagar, MD Phyllis Zee, MD, PhD Matthew Ziron

‡ Denotes deceased

*Denotes multi-year pledge

THANK YOU FOR YOUR SUPPORT

Legacy Society Donors

The American Brain Foundation proudly recognizes donors who have included the Foundation in their legacy plans.

Anonymous (11)

Dr. Robert H. Ackerman, MD, FAAN‡

Dr. James R. Allen, MD

The Steven A Barker Disability Trust‡

Skylar Rose Beckman

Anselmo and Debbie Bettencourt

Mary-Jo Bush Chad Cartwright

Michael Chen

Patricia S. Cook, MD, FAAN

Jane Daroff, DCSW, LISW and Robert B.

Daroff, MD, FAAN

Cynthia and Jasper R. Daube, MD, FAAN

Edward David, MD, JD Robert[‡] and Sandra K. Davis

Dale and William Davison, MD, FAAN

Mornyng Delorey Susan and John Dunlop

Richard Essey‡

Nordeli Estronza, MD

Michael Finkel, MD, FAAN, FFSN

and Dina Sewell

Alice and Giles[‡] Gallant

J. Clay Goodman, MD, FAAN and Claudia Robertson

Rita Mercille Green, PhD‡

Sheilah and Elliott G. Gross, MD, FAAN

Kathryn Hart, RN

Daniel Hier, MD, MBA, FAAN

Janet Jankowiak, MD

Cheryl Jay, MD‡

Ralph Jozefowicz, MD, FAAN Dr. Edgar J. Kenton, MD, FAAN‡

Deborah and Robert‡ Leshner, MD, FAAN

Eric and Nicole Liebler

Loki Lykaios

Devona Matthews

Linda and Steve Miller

Daniel Murphy

Bess and Arthur‡ Nicholas

Ronald‡ and Sandra Olson, MD, FAAN

Christina Rakshys

Rimma and Jay Rosenberg, MD, FAAN

Esther E. and Lewis‡ Rowland, MD, FAAN

Victor A. and Lillian I. Russo Trust Catherine and Charles Rydell

Kapil Sethi, MD, FRCP (UK), FAAN

Jane and Bruce Sigsbee, MD, FAAN

Dee Silver, MD

Christy Stadig

Deborah Syna, MD

John E Taylor‡

Lynne Taylor, MD, FAAN and Bruce

Bagamery, PhD

Debra S. and Raymond W. Valpey, MD

Lilly Yih

Allison Zibelli

‡ Denotes deceased

Endowments and Donor-Advised Funds

Association of Indian Neurologists in America Lifetime Achievement Award **Endowment Fund**

Baumel-Eisner Alzheimer's/Dementia

Research Fund

Bruce S. Schoenberg International Award

in Neuroepidemiology Fund

Burros Family memorial Fund

Calvin L. Calhoun, Sr., MD, Diversity

Research Fund

The Carter Virginia Copp Memorial Fund

The Cheryl A Jay Endowment

Debasish and Chinu Mridha Spirit of

Neurology Award Fund

Distinguished Neuromuscular Investigator

Award Fund

Dreifuss-Penry Epilepsy Award Fund

General Research Fund

Goadsby Headache Research Fund

Harold Wolff-John Graham Award Fund

The International Neurodiversity Alliance Research Fund of the American Brain

Foundation

Jon Stolk Award in Movement Disorders

for Young Investigators

The Joseph B. Green Endowment

Judith Rosenberg Memorial Multiple Sclerosis Research and Patient Care Fund

Kenneth M. Viste, Jr., MD Patient Advocate of the Year Award Fund

Michael S. Pessin and Lawrence M. Brass Stroke Research Fund

Mitchell Max Neuropathic Pain Fund

Multiple Sclerosis Fund

Neuro-Infectious Disease Young Investigators Research Fund

Neuro-Oncology Research Award Fund

Neuro-Oncology Scientific Award Fund

Norman Geschwind Prize in Behavioral

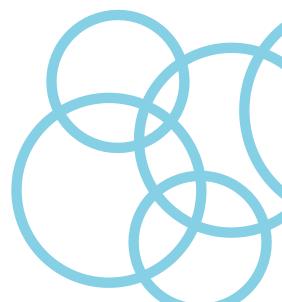
Neurology Fund

Picard Research Fund

Raymond Adams Fund for Clinical

Research

Robert C. Griggs, MD, FAAN Fund of the American Brain Foundation Sidney Carter Award in Child Neurology Fund Sleep Science Award Fund Susan S. Spencer Epilepsy Research Fund The Ted M. Burns Endowment Wayne A. Hening Sleep Medicine Investigator Award Fund



AMERICAN BRAIN FOUNDATION

201 Chicago Avenue, Minneapolis, MN 55415

Tel: 612.928.6300 | Toll Free: 866.770.7570 info@americanbrainfoundation.org

American Brain Foundation.org



HOW YOU CAN HELP SUPPORT THE AMERICAN BRAIN FOUNDATION





Include the American Brain Foundation in your will or estate plan



Double your impact with a matching gift from your employer



Spread awareness about the need for research