



The
Greenwall
Foundation

2024

Annual Report







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A LETTER FROM

Our President & CEO



More than ever, bioethics has a critical role to play in health care, policy, and research—making this an opportune moment to launch The Greenwall Foundation’s inaugural Annual Report. As science and medicine march on, bioethics issues multiply and evolve. What should AI’s role in medicine look like? What is the proper balance between risk and hope when assessing new technologies? How can we ensure the equitable provision of health care?

At The Greenwall Foundation, we address these and dozens of other critical issues by cultivating bioethics’ emerging leaders, promoting a broad and inclusive field, and ensuring that the important work of bioethics scholars informs policy and practice. The end goal is to improve people’s lives.

We approach our work with a focus on two strategic priorities.

First, we aim to shape and support a broad, inclusive bioethics, embracing diversity along several axes. We hold an expansive view of what bioethics means and welcome into bioethics those who have been excluded from or might not self-identify with the field.

For example, the 2024 Bernard Lo, MD Award in Bioethics for the first time recognized someone from outside academia, STAT National Science Correspondent Usha Lee McFarling, for her role in shaping public discussion about equity in health and medicine. We also piloted an open-access publication funding initiative this year to make bioethics research more widely accessible – to maximize the impact of bioethics research, support principles of transparency and equity, and build capacity in the field.

Second, we work to increase bioethics’ impact on policymaking. We believe that bioethics must be part of the conversation when public policy decisions are being made. The Foundation funds important research that informs policy and helps get that research into the hands of policymakers. In 2024, for example, we funded three new Bridging Bioethics Research &

“*The end goal is to improve people’s lives.*”

Policymaking (BBRP) grants to support researchers, policymakers, and others to take the next step beyond bioethics research and bridge the divide between research results and policymaking. We also shared lessons learned from former BBRP grantees who joined us for a public webinar in June to discuss approaches to increasing bioethics’ policy impact.

For The Greenwall Foundation, 2024 was a particularly special year, marking our 75th anniversary as an organization. This milestone gave us the opportunity to share stories of the people and events that have shaped the Foundation’s course and inspired our future. The celebration continues into early 2025 with our capstone anniversary event: two performances of “A REFUTATION” with Theater of War Productions in Washington, DC, to catalyze powerful discussions about health inequities in America.

In the following pages, you can learn more about our work and our vibrant community of Scholars and grantees. I hope that this report not only tells the story of what we have accomplished over the past year but also gives a sense of our vision for the future.

I am proud of what we accomplished in 2024 and look forward to our continued work in the year ahead.

A handwritten signature in black ink that reads "Michelle A. Groman".

Michelle Groman, JD

PRESIDENT & CEO



About Us

The Greenwall Foundation seeks to make bioethics integral to decisions in health care, policy, and research. We are a nationally recognized private foundation with assets of about \$100 million, awarding approximately \$3 million to \$4 million annually.

Mission

Our mission is to expand bioethics knowledge to improve clinical, biomedical, and public health decision-making, policy, and practice.

Strategic Priorities

Shaping and supporting a broad, inclusive bioethics. The Foundation supports a “wide umbrella” of bioethics work, embracing diversity along several axes. We continue to adopt a broad view of the disciplines that constitute bioethics scholarship and what constitutes a bioethics topic. By inviting and welcoming into bioethics those who have otherwise been excluded or might not self-identify with the field, we can broaden its impact and reach.

Increasing bioethics’ impact on policymaking. It is critical for bioethics to be at the table when public policy decisions are being made. The Foundation funds critical research that informs policy and takes steps to get actionable research in the hands of policymakers. We highlight policy areas where bioethics can make a difference and serve as an essential resource of bioethics expertise for policymakers and other stakeholders.

Diversity, Equity, and Inclusion

Bioethics affects us all, so it should reflect us all. At The Greenwall Foundation, we are committed to building a broad and inclusive bioethics that welcomes everyone, elevates many perspectives, asks a wide range of questions, and learns from diverse voices. The values of diversity, equity, and inclusion guide the grants we fund, the work we do, the investments we make, and the organizational culture we grow.



CELEBRATING OUR

75th Anniversary

In 1949, Frank and Anna Alexander Greenwall established a small family foundation in memory of their daughter, Susan. Over the next 75 years, the Foundation evolved to its current position as an independent private foundation focused exclusively on supporting work in bioethics.

The Foundation's Evolution

1949: Frank and Anna Greenwall establish a family foundation in memory of their daughter, Susan, to provide scholarships and support medical research among other charitable activities.

1981: The Foundation formalizes its governance and staff, and transitions to an "independent, wider ranging" private Foundation. Over the next three decades it supports work in the arts, education, medical research, and bioethics.

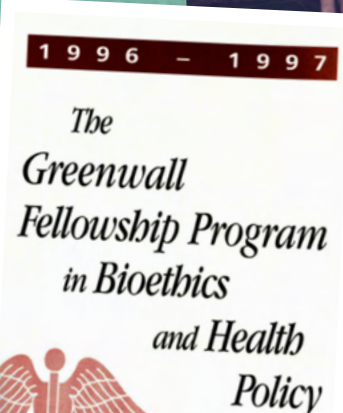
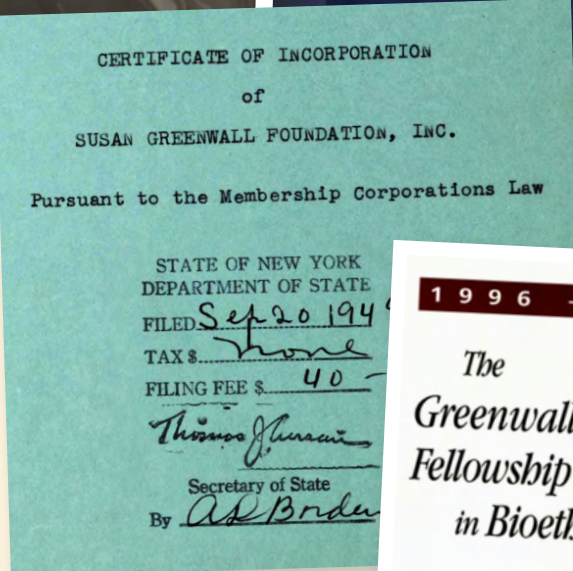
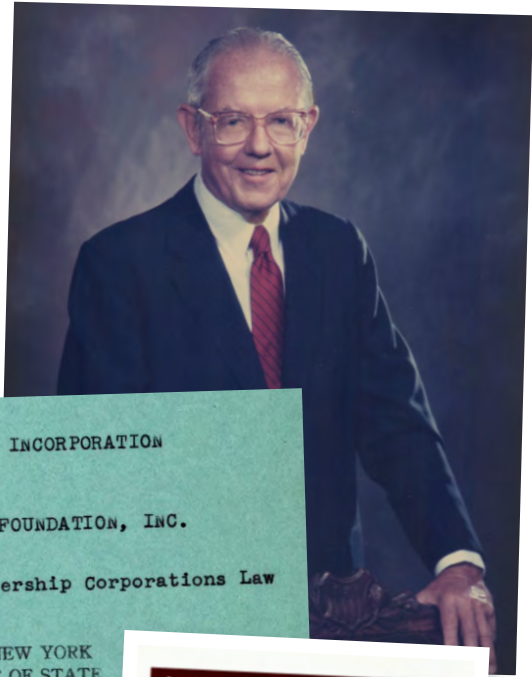
2011: The Foundation shifts its grantmaking exclusively to bioethics, focusing in the next decade on its flagship Faculty Scholars Program and Making a Difference program.

2021: The Foundation continues its organizational capacity building and sets strategic priorities to shape and support a broad, inclusive bioethics and increase bioethics' impact on policymaking.

We marked the Foundation's 75th anniversary in 2024 by sharing stories of the people and events that have shaped the Foundation's journey.

They revealed just how many people have built The Greenwall Foundation into what it is today: Frank and Anna Greenwall, our Board members, our staff, and our community of Scholars and grantees, among others. Their stories continue to provide inspiration as the Foundation adapts and takes on new challenges.

The celebration continues into the beginning of 2025 with our capstone anniversary event: two performances of "A REFUTATION" with Theater of War Productions in Washington, DC, to catalyze powerful discussions about health inequities in America. These performances draw from the Foundation's past commitment to arts funding, remain grounded in our current bioethics focus, and look toward the future by bringing bioethics to new audiences through a less traditional medium.



2024 GRANTS

Faculty Scholars Program in Bioethics

The Greenwall Faculty Scholars Program is a career development award that enables early-career faculty members to carry out innovative bioethics research. It supports research that goes beyond current work in bioethics to help resolve pressing ethical issues in clinical, biomedical, and public health decision-making, policy, and practice, and creates a community that enhances future bioethics research by Scholars and Alums.

Each year, the Foundation selects approximately three Faculty Scholars. Since 2002, the Foundation has supported over 70 Scholars from more than 40 institutions.

In 2024, the Foundation selected the Faculty Scholars Program Class of 2027:



Ryan Antiel, MD

Duke University School of Medicine

The Ethics of the Artificial Womb: Clinical Innovations at the Margins of Viability



Kayte Spector-Bagdady, JD

University of Michigan Center for Bioethics and
Social Sciences in Medicine

**Generative AI Challenges for Health Data Sharing and
Research Integrity**



Tyler Tate, MD

Stanford University Department of Pediatrics

**Understanding and Navigating Claims of Child Suffering in
Pediatric Ethics and Practice**

Making a Difference in Real-world Bioethics Dilemmas

The Making a Difference program supports research to help resolve important emerging or unanswered bioethics problems in clinical, biomedical, or public health decision-making, policy, or practice. Grants are awarded twice yearly. Since 2013, the Foundation has funded more than 100 Making a Difference grants supporting bioethics research on a wide array of issues including aid-in-dying, deception in medical contexts, discrimination in health care, and responses to the opioid epidemic, among others.

In 2024, the Foundation awarded seven Making a Difference grants:

Psychotropic Medication Decision Making for Youth in Foster Care: Challenges, Barriers, and Facilitators to Informed Consent, Assent, and Refusal

Lauren Baker, PhD | Washington University | \$169,501 | 24 months

Restorative Processes for Medical Racism: Fostering Accountability and Relational Repair

Crystal Brown, MD | University of Washington | \$172,960 | 24 months

A New Era in Alzheimer's Disease: Examining the Ethics of Anti-Amyloid Treatment

Justin Clapp, PhD | University of Pennsylvania | \$213,310 | 24 months

Communication and Resolution Programs: Tackling the Critical Unanswered Ethical Questions

Thomas Gallagher, MD | University of Washington | \$284,957 | 24 months

Moving Away from Race-Ethnicity Based Clinical Care of Early Female Puberty Towards Race and Ethnicity Conscious Puberty Justice

Camilia Kamoun, MD | University of North Carolina | \$240,272 | 24 months

Ethics and Effects of Individual Patient Testimonies in Public Health Decision Making

Aaron Kesselheim, MD, JD | Brigham and Women's Hospital | \$262,356 | 24 months

Guiding Principles for Human Data Sharing and Use: Balancing Public and Scientific Values

Debra Mathews, PhD | Johns Hopkins University | \$155,736 | 12 months

2024 GRANTS

Bridging Bioethics Research & Policymaking

The Bridging Bioethics Research & Policymaking initiative supports bioethics researchers, policymakers, and others to take the next step beyond bioethics research and bridge the divide between research results and policymaking.

In 2024, the Foundation awarded three Bridging Bioethics Research & Policymaking grants:

Improving Long-Term Care Facility Design through Bioethical Peer Review

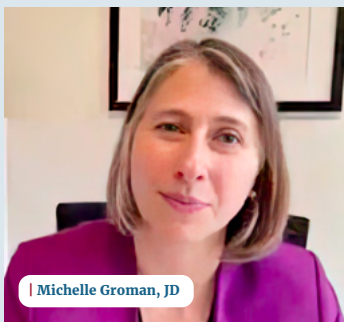
Diana Anderson, MD | Boston University | \$48,902 | 12 months

Hastings on the Hill: Informing Policy on AI in Health

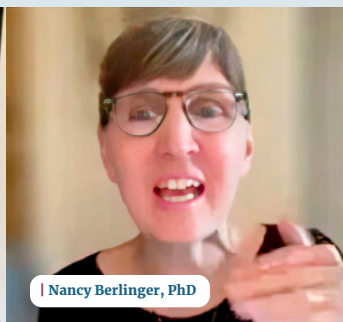
Vardit Ravitsky, PhD | The Hastings Center | \$49,976 | 12 months

Improving Bioethics in SDOH-Focused Medicaid Programs

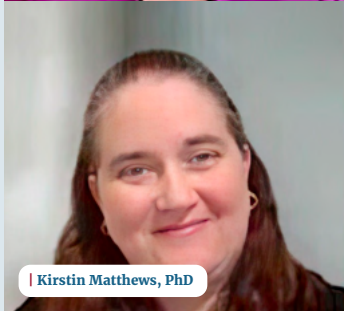
Alex Sheff, MPA | Health Care For All | \$46,551 | 12 months



| Michelle Groman, JD



| Nancy Berlinger, PhD



| Kirstin Matthews, PhD



| Robert (Bob or BCD) Cook-Deegan

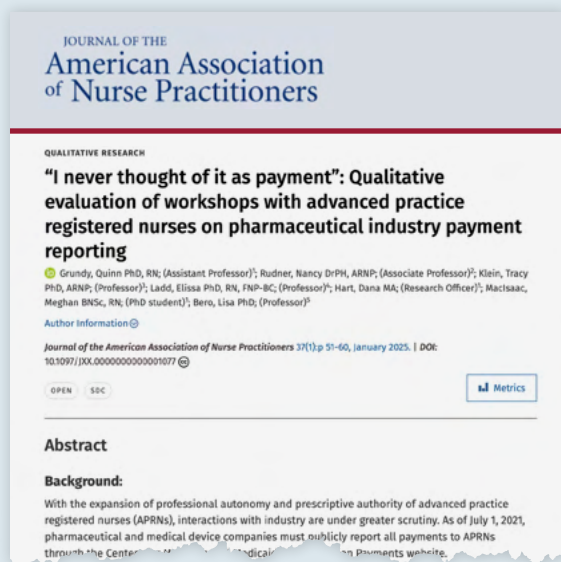
In June, the Foundation hosted a webinar, [Bridging Bioethics to Policymakers: Learning from Experience](#), to showcase the work of three BBRP grantees who are taking the knowledge gained from bioethics research projects directly to those making policy in relevant areas. The group discussed their BBRP projects, including their strategies for connecting with policymakers, the challenges they encountered, and lessons they learned for future work. More than 100 viewers joined us live, and almost 750 more watched the recording on our YouTube channel in 2024.

Open-access Publication Funding

In 2024, The Greenwall Foundation made a limited amount of funds available to support open-access fees for publications resulting from Greenwall-funded work. Open-access publication helps to maximize the impact of bioethics research and supports core principles of transparency and equity.

Through this initiative, we supported the open-access publication of 12 papers resulting from Greenwall-funded projects — rendering the results of several Making a Difference projects freely available to the public.

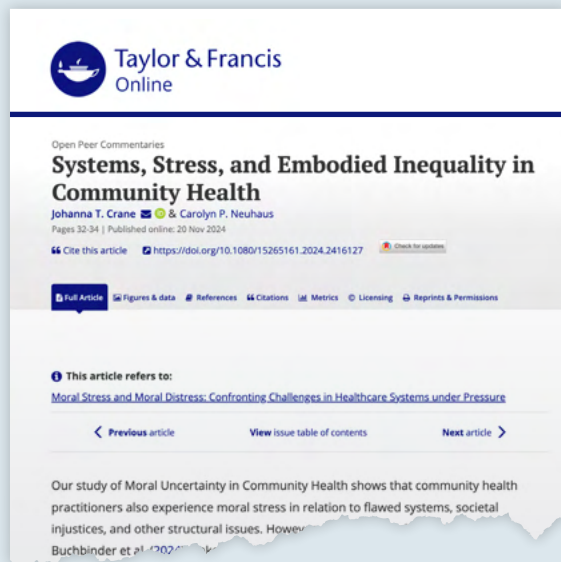
Below are a selection of the open-access publications we supported.



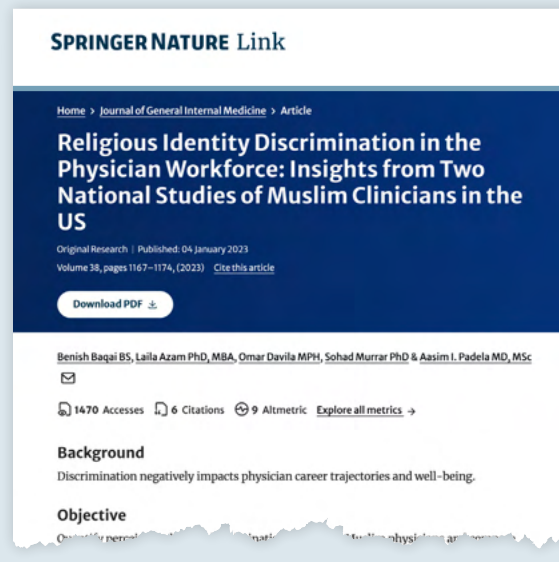
Quinn Grundy, PhD, RN | MAD Spring 2022
Journal of American Association of Nurse Practitioners



Maria Merritt, PhD | MAD Spring 2022
Frontiers in Climate



Carolyn Neuhaus, PhD | MAD Spring 2022
The American Journal of Bioethics



Aasim Padela, MD | MAD Fall 2019
Journal of General Internal Medicine

GRANT SPOTLIGHT

Drawing Attention to the Moral Distress of OB-GYNs in a Post-Roe Era



First-time Making a Difference
Grantee Erika Sabbath, ScD,
of Boston College is sparking
dialogue with her Fall 2022
grant, *Moral Distress Among
Obstetricians and Gynecologists
in the Post-Roe Era*.

Project researchers interviewed OB-GYNs in abortion-restrictive states, exploring how clinical practice has changed since the enactment of abortion bans, as well as the resulting moral distress of clinicians forced to choose between applying accepted best-practice for patient care and obeying newly restrictive state laws. In addition, the study seeks to identify systems-level practices that can protect against moral distress and generate recommendations for how institutions can support the well-being of OB-GYNs in abortion-restrictive states.

The stellar research team, which includes Faculty Scholars Program Alum Mara Buchbinder, PhD, and former National Academy of Medicine Greenwall Fellow Kavita S. Arora, MD, brings together expertise in obstetrics and gynecology, social work, anthropology, reproductive health policy, and bioethics.

The project has attracted significant attention. In January 2024, just one year into the two-year project, the team had their first publication, in [JAMA Network Open](#), accompanied by an op-ed in the [Charlotte Observer](#), Raleigh News & Observer, and Durham Herald. The article also resulted in a meeting with the Democratic staff of a subcommittee of the congressional Energy & Commerce Committee; interviews with press outlets including Medscape, The Guardian, and CBS News television (a local North Carolina affiliate); a [feature story on National Public Radio](#); and numerous invited talks and presentations.

The team published a [JAMA Viewpoint](#) in June 2024 outlining recommendations for supporting OB-GYNs in abortion-restrictive states. In addition, Prof. Sabbath received open-access funding from the Foundation to make an additional publication more widely available: a piece in [SSM – Qualitative Research in Health](#) that shares the project's findings about the sources of moral distress among OB-GYNs following the repeal of *Roe v. Wade*.

JAMA Network | **Open**

Original Investigation | Obstetrics and Gynecology
US Obstetrician-Gynecologists' Perceived Impacts of Post-Dobbs v Jackson State Abortion Bans

Erika L. Sabbath, ScD; Samantha M. McKetchnie, MSW; Kavita S. Arora, MD, MBE, MS; Mara Buchbinder, PhD

Abstract

The Charlotte Observer

OPINION

Our research shows a new Texas abortion ruling could have a negative impact in NC | Opinion

By Mara Buchbinder, Erika L. Sabbath and Kavita S. Arora
Updated January 17, 2024 12:18 PM |



NATIONAL

Obstetricians in states where abortion is mostly illegal face huge amounts of stress

FEBRUARY 23, 2024 · 5:09 AM ET

HEARD ON MORNING EDITION

By Katia Riddle

JAMA Network

Viewpoint

June 24, 2024

**Supporting OB-GYNs in Abortion-Restrictive States—
A Playbook for Institutions**

Erika L. Sabbath, ScD^{1,2}; Kavita S. Arora, MD, MBE, MS^{3,4}; Mara Buchbinder, PhD⁴

[Author Affiliations](#) | [Article Information](#)

JAMA. 2024;332(8):613-614. doi:10.1001/jama.2024.10270

Since the US Supreme Court's decision in *Dobbs v Jackson Women's Health Organization*, obstetrician-gynecologists (OB-GYNs) in states with near-total abortion bans must now decide between their own legal exposure and providing their patients with the standard of care.¹ Some have left abortion-restrictive states due to the stress associated with practicing in such conditions.² These patterns threaten the availability of reproductive health care in many regions, leading to increased morbidity and mortality.



News & Publications

Our Faculty Scholars and grantees published more than 300 academic papers and were featured in over 100 news publications this year.



HealthAffairs

Physicians' Perspectives On FDA Regulation Of Drugs And Medical Devices: A National Survey

Sanket S. Dhruva, Aaron S. Kesselheim, Steven Woloshin, Robin Z. Ji, Zhigang Lu, Jonathan J. Darrow, and Rita F. Redberg

AFFILIATIONS

PUBLISHED: JANUARY 2024 No Access <https://doi.org/10.1377/hlthaff.2023.00466>

VIEW ARTICLE PERMISSIONS SHARE TOOLS

Abstract

Physicians' knowledge of Food and Drug Administration (FDA) approval processes is important in informing clinical decisions and patient discussions. Among a randomly selected national sample of 509 internists, cardiologists, and oncologists, 41 percent reported moderate or better understanding of the FDA's drug approval process, and 17 percent reported moderate or better understanding of the FDA's medical device approval process. Nearly all physicians thought that randomized, blinded trials that met primary endpoints should be very important factors required to secure regulatory approval. Also, nearly all physicians thought that the FDA should require...

Rita F. Redberg, MD | Making a Difference Grantee
Health Affairs



THE HASTINGS CENTER REPORT

When People Facing Dementia Choose to Hasten Death: The Landscape of Current Ethical, Legal, Medical, and Social Considerations in the United States

Emily A. Largent, Jane Lowers, Thaddeus Mason Pope, Timothy E. Quill, Matthew K. Wynia

First published: 21 February 2024 | <https://doi.org/10.1002/hast.1550> | Citations: 3

SECTIONS PDF TOOLS SHARE

Abstract

Some individuals facing dementia contemplate hastening their own death: weighing the possibility of living longer with dementia against the alternative of dying sooner but avoiding the later stages of cognitive and functional impairment. This weighing resonates with an ethical and legal consensus in the United States that individuals can voluntarily choose to forgo life-sustaining interventions and also that medical professionals can support these choices even when they will result in an earlier death. For these reasons, whether and how a terminally ill individual can choose to control the timing of their death is a topic that cannot be avoided when considering the dementia trajectory. With a focus on the U.S. context, this landscape review considers the status of provisions that would legally permit people facing dementia to hasten death with appropriate support from medical professionals. This review can be used to plan and guide clinical and legal practitioner discussion and policy development concerning the legal questions not fully covered by existing medical decision-

Emily A. Largent, JD, PhD, RN | Faculty Scholar Alum
The Hastings Center Report



AJPH
A PUBLICATION OF THE AMERICAN PUBLIC HEALTH ASSOCIATION

Trusted Messengers: Public Health Education and Advocacy in 20th Century Black American Newspapers

Wangui Muigai PhD

Accepted: October 06, 2024 | Published Online: November 21, 2024

Abstract PDF/Epub

For much of the 20th century, Black readers turned to Black newspapers for health information and advice. The messages reached hundreds of thousands across the United States during a period when the nation's racially separate and unequal health care system limited the ability of Black communities to access vital resources, including public health education. This article, based on an analysis of several hundred health columns published between the 1910s and 1970, traces the origins and evolving role Black newspapers played as trusted messengers of health information. In doing so, it details the strategic

Wangui Muigai, PhD | Faculty Scholar
American Journal of Public Health



The NEW ENGLAND JOURNAL of MEDICINE

PERSPECTIVE | FUNDAMENTALS OF MEDICAL ETHICS

Navigating Clinicians' Conscience-Based Refusals to Provide Lawful Medical Care

Authors: Douglas B. White, M.D., M.A.S., and Mark Wicclair, Ph.D. [Author Info & Affiliations](#)

Published October 19, 2024 | *N Engl J Med* 2024;391:1465-1467
DOI: 10.1056/NEJMp2403935 | **VOL. 391 NO. 16** | Copyright © 2024

Abstract

Various ethical concerns arise when clinicians refuse to provide legal medical services. Steps can be taken to ensure that patients have access to care while permitting some conscience-based refusals.

AUDIO INTERVIEW

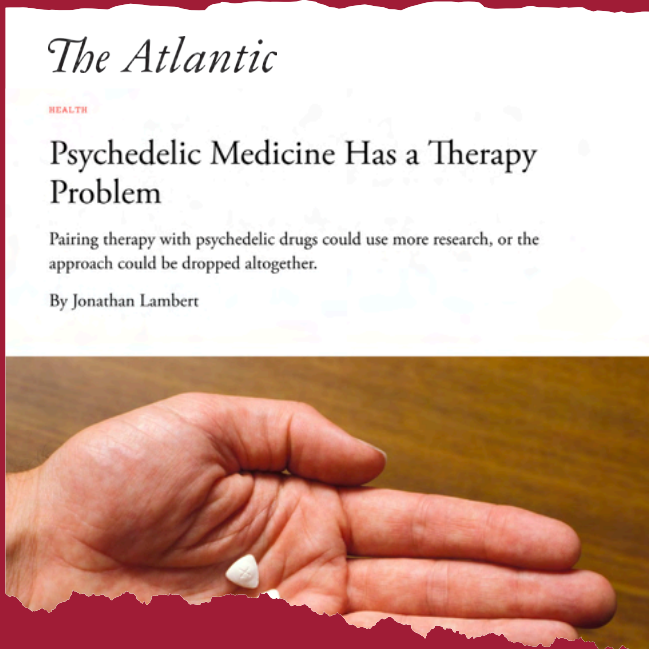
Interview with Mark Wicclair on approaches to protecting both physicians' conscience and patients' health.

Douglas B. White, MD | Faculty Scholars Program Committee Member and Alum
The New England Journal of Medicine

“To reduce the risk of dementia, we must dedicate resources of time, money, and political will to readily achievable strategies.”

— JASON KARLAWISH, MD

Greenwall Board Member and Faculty Scholar Alum



“As a field, we don’t really understand how much the therapy contributes to the efficacy of [MDMA].”

— AMY LYNN MCGUIRE, JD, PHD

Greenwall Board Member, Faculty Scholars Program Committee Chair, and Alum



“Tele-medical and decentralized cancer care does provide a large relative reduction in emissions...[.] It’s potentially a gain downstream for human health and planetary health.”

— ANDREW HANTEL, MD

Making a Difference Grantee



William C. Stubing Memorial Lecture

On November 19, The Greenwall Foundation and NYU School of Global Public Health and its Center for Bioethics presented the 2024 William C. Stubing Memorial Lecture, *Ethics in America's Epidemic: Navigating Solutions and Hope in the Opioid Crisis*, on understanding and navigating the U.S. opioid epidemic and related ethical issues. The event featured an insightful conversation between Beth Macy, bestselling author of *Dopesick* and *Raising Lazarus: Hope, Justice, and the Future of America's Overdose Crisis*, and Perri Peltz, a journalist and Emmy Award-winning documentarian. The Lecture centered on Ms. Macy's experience reporting on America's opioid epidemic and the lives of those affected by it.

“You wouldn't tell a diabetic that they can't take insulin, because that's the evidence-based practice for diabetes. . . . So why would you tell a person with OUD that they can't have buprenorphine or methadone?”

– BETH MACY



BERNARD LO, MD AWARD IN BIOETHICS

Usha Lee McFarling

The Bernard Lo, MD Award in Bioethics (Lo Award) is a \$25,000 prize given annually to recognize significant contributions to bioethics.

Usha Lee McFarling, National Science Correspondent at STAT, received the 2024 Bernard Lo, MD Award in Bioethics for her work in shaping the public discussion and policy debate about bioethics and equity in health care and research. This was the first year the award was given to a recipient outside of academia. A Pulitzer-prize winning and longtime science and health reporter, Ms. McFarling shined light on inequities in health and medicine as they emerged from the COVID-19 pandemic. Her continued reporting on these disparities has become essential to public understanding of a number of issues, including racial differences in pulse oximeter functioning, disproportionate early departures of Black residents from medical training programs, and the lack of diversity in orthopedics.

Ms. McFarling's work revealing unequal treatment and practices within health and medicine has substantially changed the way that these subjects are discussed and addressed.



FOUNDATION LEADERSHIP

Board of Directors

Ann Alpers, JD

Chair

George L. Bunting, Jr., MBA

(Retired 2024)

Christine K. Cassel, MD

(Retired 2024)

Peter Goodwin, MBA

Treasurer

Michelle Groman, JD

President & CEO

Jason Karlawish, MD

Rose Marie Martinez, ScD

(Elected 2024)

Amy L. McGuire, JD, PhD

Phyllis D. Meadows, RN, PhD

Vice Chair

Joel W. Motley, JD

Secretary

Richard L. Salzer, Jr., MD

David J. Schofield, Jr., CFA

(Elected 2024)

James A. Tulsky, MD

Keith Wailoo, PhD

Timothy M. Westmoreland, JD

(Elected 2024)

The Greenwall Foundation elected three new Directors in 2024: Rose Marie Martinez, ScD, in May, and David J. Schofield, Jr., CFA, and Timothy M. Westmoreland, JD, in November.

Dr. Martinez is the Senior Director of the Board on Population Health and Public Health Practice at the National Academies of Sciences, Engineering, and Medicine (NASEM), where she has served for 25 years. Mr. Schofield, founder and CIO of Arrowwood Advisors, LLC, has worked mostly in the endowment and foundation world, vetting and selecting investment managers and building global, multi-class portfolios. Prof. Westmoreland is Professor Emeritus at the Georgetown University Law Center, where he has taught since 2001 on health law, federal budgets, and legislation.

In addition, two veteran members, George L. Bunting, Jr., and Christine K. Cassel, MD, retired from the Board's ranks in 2024.

Mr. Bunting, a longtime pillar of the philanthropic community, began his Board service in 2005. He served on the Foundation's Arts & Humanities Committee from 2005 until that program's closure in 2011 and played a key role in overseeing the Foundation's finances and investments. Dr. Cassel, a geriatrician and longtime professor of medicine, joined the Foundation's Board in 1992. She chaired the Medical Advisory Committee beginning in 1993, playing a leading role in some of the most important decisions in the Foundation's bioethics program, and served as Board Chair from 2012 to 2018.

FINANCIAL INFORMATION

Audited Statement of Financial Position

Years Ended December 31

	2023	2022
ASSETS		
Investments, at fair value	106,706,560	96,097,229
Other Assets	275,853	602,966
TOTAL ASSETS	106,982,413	96,700,195
LIABILITIES AND NET ASSETS		
Grants Payable	3,239,159	3,475,209
Other Liabilities	473,706	403,447
Total Liabilities	3,712,865	3,878,656
Unrestricted Net Assets	103,269,548	92,821,539
Total Net Assets	103,269,548	92,821,539
TOTAL LIABILITIES AND NET ASSETS	106,982,413	96,700,195

Audited Statement of Activities

Years Ended December 31

	2023	2022
REVENUE		
TOTAL REVENUE (LOSS), NET OF RELATED EXPENSES	15,323,505	(16,239,892)
GRANTS AND EXPENSES		
Grants	3,401,254	3,749,873
Direct Charitable Activity	709,606	765,270
Operations and Governance	764,636	610,374
TOTAL GRANTS AND EXPENSES	4,875,496	5,125,517
CHANGE IN NET ASSETS	10,448,009	(21,365,409)



The
**Greenwall
Foundation**

