



DECIDING TOGETHER



THE
HASTINGS
CENTER

CONTENTS

1	From the President
2	Vaccine Rollout, Ethical Questions
5	Addressing Democracy in Crisis, Bolstering Public Deliberation
8	Engaging Journalists in Science and Ethics
11	Wise Use of Technology
15	Just and Compassionate Health Care
19	2021 Projects
20	Our Team
21	Donors
24	Statement of Financial Position
<i>inside</i>	2021 Board of Directors
<i>back</i>	
<i>cover</i>	



FROM THE PRESIDENT



Mildred Z. Solomon
President and CEO

Dear Friends and Colleagues,

Over the course of 2021, we faced many simultaneous crises—global warming and a global pandemic, systemic racism, widespread poverty, and, in the United States, an epidemic of gun violence. These challenges could leave an organization devoted to ethics, like The Hastings Center, in despair. Instead, our staff, board, advisers, and generous donors dug deeper than ever, deploying their talents, energy, and commitments to build a better world.

We recognize that most of these problems can be remediated through human decisions and human actions. But we have to *decide* to act—and decide to act *together*—across national, political, ethnic, racial, and socioeconomic lines.

We began the year publishing “A Democracy in Crisis: Civic Learning and the Reconstruction of Common Purpose,” a wide-ranging special report exploring the ways in which all of us can make contributions, particularly at the local community level, to building the common good (see page 6 of this annual report). We ended the year publishing “Gene Editing in the Wild: Shaping Decisions through Public Deliberation,” a special report that outlined principles and methods for deciding together about our shared ecosystems (page 7).

Given that deciding together is impossible without trust in one another and in science, we publicly announced a generous gift to establish the Gil Omenn & Martha Darling Fund for Trusted and Trustworthy Scientific Innovation, providing resources to help us address polarization and the growth of anti-science sentiment.

The Hastings Center also continued to be a major source of trustworthy explorations about how best to manage the myriad ethical issues raised by the pandemic. True to our goal of “deciding together,” we purposefully invited experts with widely differing views to discuss the pros and cons of vaccine passports and mandates (see page 4), vaccine hesitancy and lack of access (page 3), and the Food and Drug Administration’s controversial decision to approve a new Alzheimer’s drug against the recommendation of its own advisory committee (page 18). Thousands joined us for these virtual events, and thousands more read a wide variety of essays in *Hastings Bioethics Forum*, as we remained at the center of the conversations on Covid and other issues.

Deciding together also meant enhancing our commitments to diversity, equity, and inclusion. We launched the Sadler Scholars, a virtual visiting scholars program for doctoral students with research interests relevant to bioethics who are from communities underrepresented in this field in the U.S. They received stipends from the Blair and Georgia Sadler Fund for Socially Just Health Policy. We also conducted two public events in an online series, “The Art of Flourishing: Conversations on Disability,” in which artists, writers, and other people with disabilities shared, through performances of many kinds, what “flourishing” means to them (page 12).

As we continue to wrestle with these crises, the Center has emerged stronger, and better positioned than ever before, to promote well-being for all. Thank you all for the parts you played in meeting these challenges.

Sincerely,

A handwritten signature in cursive script that reads "Mildred Z. Solomon". The signature is written in dark ink on a white background.

Mildred Z. Solomon

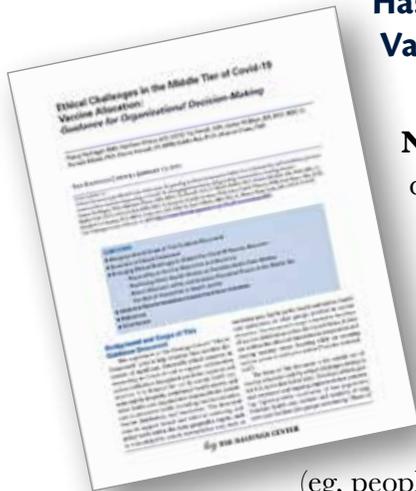


VACCINE ROLLOUT, ETHICAL QUESTIONS

The availability of Covid vaccines brought hope and relief, but also raised a host of ethical questions, including how to allocate the vaccines fairly, how to improve access to vaccines for rural communities and communities of color, and whether vaccine mandates should be used to raise vaccination rates among people who were vaccine-hesitant.

The authorization of the first Covid vaccines brought hope that an end to the pandemic was in sight, but the vaccine rollout raised a host of ethical questions. How should vaccines be allocated fairly (before they were widely available for the general public)? Who should go first? Who should go next? As vaccine supply increased, other ethical questions emerged: how to improve vaccine access in rural communities and communities of color, and whether vaccine mandates should be used to raise vaccination rates among people who were vaccine-hesitant.

Hastings Center Guidance on Vaccine Allocation



In March, Hastings Center research scholar **Nancy Berlinger** led a national team to produce guidance for public health authorities and health care systems to help ensure equitable and effective prioritization of vaccine access in the first half of 2021—after the initial allocation to health care workers and long-term care facilities. Among its messages: public health planners should go beyond simple age cutoffs

(eg, people over age 70) to also privilege those who live or work in high-risk environments, including prisons or detention centers and neighborhoods where many people live in overcrowded housing; home health aides; and essential workers, including food supply workers, transportation workers, and teachers. The guidance also stressed the importance of investing in programs to address vaccine hesitancy.

Convening Discussions on Controversial Issues

As the vaccine rollout progressed, vaccine hesitancy and disparities in access became contentious issues. The Hastings Center cut through the noise with two webinars that brought people with diverse views together. More than 2,000 people watched the event.

■ Vaccine Access for Blacks and Latinos

On April 21, Rhea Boyd, a pediatrician and public health advocate; Maya Goldenberg, author of a recent book on vaccine hesitancy; and Hastings Center President **Mildred Solomon** discussed the barriers to vaccination in the U.S., especially among people of color. They concluded that improving vaccination rates would require bringing more vaccination sites into neighborhoods and homes. In addition, Black people are not inherently vaccine-hesitant; their relatively low Covid vaccination rates are mainly a function of access—difficulty getting to vaccination sites that are situated too far away. This event was made possible by the Gil Omenn & Martha Darling Fund for Trusted and Trustworthy Scientific Innovation.

in the media

Covid Vaccine Ethics

“Golden State Warriors Get Covid-19 Vaccinations Ahead of Most Californians”

—*NBC News* (March 6, 2021)

The basketball team “should be transparent about how they got access,” said **Nancy Berlinger**, so that the public isn’t left to wonder how much money and power played in opening doors to vaccines.



Rhea Boyd



Maya Goldenberg

left to right:
Lawrence Gostin,
Walter Olson,
Amy Fairchild,
Francesca Rossi



■ Vaccine Mandates and Passports

“Should we support vaccine mandates and, if so, for whom, and who should require them—your employer, schools, or state governments?” asked Hastings Center President **Mildred Solomon** in a webinar on June 7 featuring panelists from across the political spectrum. They found some common ground in support of employers, businesses, and schools requiring proof of vaccination. Where they differed was whether the government should have a role, and what that role should be. Panelists were Lawrence O. Gostin, a Hastings Center fellow and Georgetown University professor who works closely with the Biden administration; Walter Olson, a senior fellow at the Cato Institute; Amy Fairchild, dean and professor at Ohio State University; and Francesca Rossi, the Artificial Intelligence Ethics Global Leader at IBM, which developed a vaccine passport for the State of New York.



Patrick T. Smith

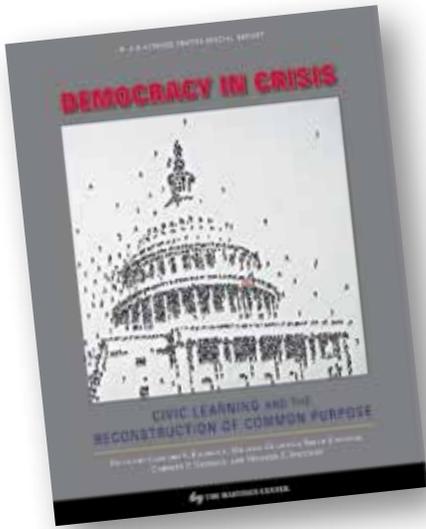
Daniel Callahan Annual Lecture

*The Covid-19 pandemic has made longstanding, seemingly intractable inequities painfully visible. African Americans and Latino communities are dying at three times the rate of white communities, and there is growing momentum for racial reckoning not seen since the 1960s. How might the thinking and insights of Martin Luther King be useful to us now? That was the central question explored by Professor **Patrick T. Smith**, of Duke University, and Hastings Center President **Mildred Solomon** in the Daniel Callahan Annual Lecture, a webinar on February 9. The annual lecture is supported by generous gifts from The John and Patricia Klingenstein Fund and The Andrew and Julie Klingenstein Family Foundation.*



ADDRESSING DEMOCRACY IN CRISIS, BOLSTERING PUBLIC DELIBERATION

Efforts in the U.S. to control the pandemic and solve other collective problems have been hindered by two major obstacles: the breakdown in civil discourse, fueled by polarization and partisanship, and the lack of trust in science. While there's no simple solution, Hastings Center scholars identified one crucial way forward: bolstering public deliberation.



Democracy in Crisis: Civic Learning and the Reconstruction of Common Purpose

In the aftermath of the January 6 assault on the U.S. capitol, The Hastings Center released a special report, “Democracy in Crisis: Civic Learning and the Reconstruction of Common Purpose,” which identifies breakdowns in how citizens engage in collective problem solving, threatening democratic values. The report proposes ways that Americans can help combat polarization and increase public engagement, including that we:

- **Address justice as a basis for civic participation:** Develop solutions to the vast material inequalities in American life, encourage solidarity and care for one another, and a shared commitment to community life.
- **Understand the interplay of facts and values:** Recover the ideas of critical thinking and scientific fact, along with the recognition that the public should weigh in on the values at stake in science policy.
- **Enhance schools’ commitments to advancing scientific literacy and preparing students for active civic engagement.** Schools should help students develop the knowledge, skills, and habits of mind, essential to self-governance and policy debate.
- **Create opportunities for citizens to engage with each other in deliberative forums.** Boost participation in local government and nonviolent social movements and create opportunities for citizens to engage with each other in deliberative forums, especially at the community level, where the immediacy of shared concerns may offset national political polarization.

This report was the product of a project funded by the John S. and James L. Knight Foundation and led by Hastings research scholars **Gregory Kaebnick**, **Michael Gusmano**, and **Carolyn Neuhaus**; senior advisor and fellow **Bruce Jennings**; and President **Mildred Solomon**.

in the media



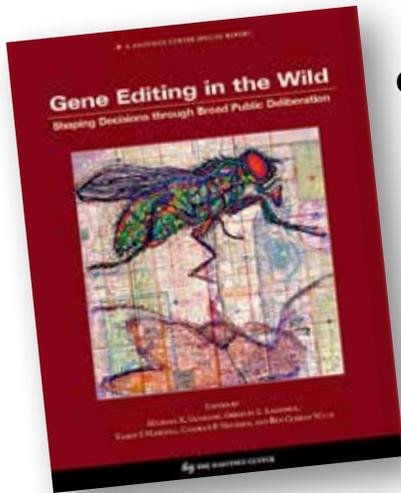
Engaging Citizens in Science and Democracy

**“For Good Science, You
Need Engaged Citizens”**

—*Scientific American* (July 22, 2021)

“In the end, good science depends on democracy, and democracy depends on a deeper, richer engagement between citizens and governance structures,” write **Gregory**

Kaebnick and **Michael
Gusmano**.



Gene Editing in the Wild: *Shaping Decisions through Broad Deliberation*

The benefits of research involving the release of gene-edited species into the environment are potentially transformative—such as preventing mosquitoes from spreading deadly diseases and conserving endangered species. But this work poses major trade-offs that require broad public engagement, concludes “Gene Editing in the Wild: Shaping Decisions through Broad

Public Deliberation,” a special report released in December.

The report takes up fundamental questions such as: how should public deliberation be designed? Who should participate? How should deliberation be linked to policy? The report was the product of a project, funded by the National Science Foundation and led by **Michael Gusmano, Gregory Kaebnick, Karen Maschke, and Carolyn Neuhaus.**

in the media

Gene Editing in the Wild



“Monroe County Mosquito Plan Needs More Input from Public”

—*Miami Herald* (May 11, 2021)

A commentary by **Gregory Kaebnick** discussed the first release of genetically modified mosquitoes in the United States, set to occur in the Florida Keys to prevent serious mosquito-borne illnesses. The controversial plan was “shot through with moral ambiguities and tensions,” he wrote, including a lack of “structured, balanced, impartially run public deliberation.”



Many thanks to our Hastings Center fellows

ETHICAL QUESTION?

SEARCH THE HASTINGS CENTER BIOETHICS TIMELINE

From AIDS to Covid-19, how have pandemics and epidemics shaped health policy and bedside decision-making? How have major medical societies’ statements on discrimination and racial justice evolved over the decades? Which landmark court cases helped establish patients’ rights? These are some of the major historical and societal questions that can be explored in a new, free, one-of-a-kind online educational resource: The Hastings Center Bioethics Timeline. It is designed for use by a broad audience, including students from high school to professional schools, journalists, clinicians, and scholars. Among the 32 searchable topics are advance care planning, disability rights, genomics and ethics, human enhancement, medical aid in dying, sexual and gender ethics, social justice, and technology. The timeline was created by a committee of Hastings Center fellows and it will be updated periodically. Within the first few months, the timeline received nearly 5,000 page views.

<https://www.thehastingscenter.org/bioethics-timeline/>



ENGAGING JOURNALISTS IN SCIENCE AND ETHICS

The Hastings Center launched an annual “bioethics for journalists” discussion series in 2021 to help prepare journalists to more deeply investigate questions about the ethical implications of emerging issues in health and science. The series is supported by The Hastings Center’s Callahan Public Programs fund, established by The Andrew and Julie Klingenstein Family Foundation and the John and Patricia Klingenstein Fund in honor of Hastings co-founder Daniel Callahan.



“Genomics in Society: New Developments, New Questions” was the theme of the inaugural series, presented in partnership with the Center for ELSI Resources & Analysis (CERA). Four online events in October and November featured leading journalists and Hastings Center scholars and fellows. The discussions drew a live audience of journalists, as well as scientists. Recordings and related resources are archived on The Hastings Center’s website for free educational use by journalists, journalism students, and journalism educators.



Responsible Reporting

“Research on genomics, human behavior, and social outcomes has been used, in the past, to justify eugenics, forced sterilization, genocide—the worst atrocities. That really weighs on me when I am thinking about framing a story about new research in this area.”

—Amy Harmon, *New York Times*

■ Genomics, Human Behavior, and Social Outcomes (October 12, 2021)

Moderator: Amy Harmon, Pulitzer Prize-winning journalist, *New York Times*

Panelists: Hastings Center senior research scholar Erik Parens, a principal investigator of a Hastings Center project “Wrestling with Social and Behavioral Genomics”; Melinda Mills, a genetic scientist at University of Oxford; and Arbel Harpak, assistant professor population health at University of Texas at Austin



Timely Guidance for Journalists

“This is a really great time to be having a conversation about law enforcement and genetic data—how we talk about it in society but also how we, as journalists should be covering it.”

—Sarah Zhang, *The Atlantic*

■ Law Enforcement and Genetic Data

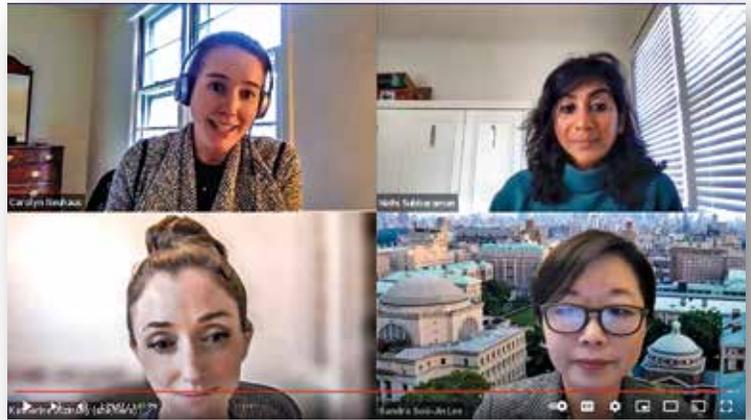
(October 26, 2021)

Moderator: Sarah Zhang, staff writer, *The Atlantic* Panelists: Ellen Wright Clayton, a professor at Vanderbilt University and a Hastings Center fellow; CeCe Moore, chief genetic genealogist for Parabon Nanolabs

“Delivering the Promises of this Research”

“When we talk about diversity, inclusion, and genomics research, we also need to be talking about delivering the promises of this research to diverse and inclusive populations.”

—Carolyn Neuhaus,
Hastings Center research scholar



■ Precision Medicine Research, “All of Us”, and Inclusion (November 16, 2021)

Moderator: Nidhi Subbaraman, senior reporter, *Nature*
 Panelists: Sandra Soo-Jin Lee, chief of the Division of Ethics in the Department of Medical Humanities and Ethics at Columbia University and a Hastings Center fellow; Carolyn Neuhaus, research scholar at The Hastings Center and a principal investigator on two projects concerning the All of Us Research Program; Katherine Blizinsky, policy director for the All of Us Research Program

Accurate Reporting on Race

“Race is not a biological category that naturally produces disparities because of any kind of genetic difference.

Race is a social category that has staggering biological consequences because of the impact of social inequality on people’s health.”

—Fernando De Maio,
American Medical Association



■ Addressing Racism in Medical Research and Publishing (November 30, 2021)

Moderator: Vabren Watts, equity director, *Health Affairs*
 Panelists: Mildred Cho, Professor at Stanford University and a Hastings Center fellow; Fernando De Maio, Director of Health Equity Research and Data Use in the Center for Health Equity at the American Medical Association and a professor of sociology at DePaul University



WISE USE OF TECHNOLOGY

New technologies can save lives and work miracles limited only by the human imagination. But they can also do harm. How should we wield their power wisely? In 2021, The Hastings Center expanded its focus on the wise use of technology with new research and resources.

The Art of Flourishing: Conversations on Disability is a series of public events in which scholars, artists, writers, and thought leaders with disabilities reflect on what “flourishing” means to them, including how they use—or choose not to use—technologies to promote individual flourishing. The events, supported by the National Endowment for the Humanities, are organized under the direction of senior research scholar **Erik Parens**, with **Liz Bowen**, the Rice Family Postdoctoral Fellow in Bioethics and the Humanities, and Hastings senior advisors **Joel Reynolds** and **Rosemarie Garland-Thomson**. Two virtual events took place in 2021.

Questioning Cure panelists: (top l.-r.) Ann Millet-Gallant, Anand Prahlad, Erik Parens; (bottom l.-r.) ASL interpreter, Karen Nakamura



■ **Questioning Cure: Disability, Identity, and Healing**
(May 11, 2021)

Sometimes aiming at cure entails failing to distinguish between disease and difference. Disabled writers and educators Anand Prahlad, Ann Millett-Gallant, and Karen Nakamura discussed how the idea of cure has shaped their own lives and how we can think beyond cure.

■ **Enjoying: Disability as a Creative Force**
(October 20, 2021)

Disability often opens up forms of movement and relation that would not otherwise be possible. Artists and writers Jerron Herman, Georgina Kleege, and Julia Watts Belser discussed how being disabled is a source of creativity, experimentation, and community in their own lives and work.

Disability as a Creative Force panelists: (top l.-r.) Georgina Kleege, Julia Watts Belser; (bottom l.-r.) ASL interpreter, Jerron Herman



Open-Access Repository Counters Misinformation on Human Genomics Studies

New research on the genomic influences on traits such as intelligence, household income, and sexual behavior captures public attention, but it can also be used to justify beliefs in racial and social inequalities. To counter this bias and other misinformation, The Hastings Center launched an open-access repository that aggregates FAQs—frequently asked questions—by the genomics researchers themselves that explain what their studies do and do not show. The resources was created by Hastings Center Presidential Scholar **Lucas Matthews** (formerly a Hastings postdoctoral fellow) and Daphne Martschenko, of Stanford, as well as colleagues at Stanford and Princeton with guidance from senior research scholar **Erik Parens**.

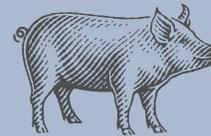
“As scholars motivated by deep concern about the long history of misuse of genetic research, we believe these FAQs are socially responsible, commendable exemplars of science communication for both experts and general audiences,” state the scholars who created the resource, which is freely available. It received nearly 2,000 page views in the first few months and was featured in *Nature Genetics* in September.

Pathbreaking New Project on Animal-to-Human Organ Transplantation

Hastings Center scholars **Karen Maschke** and **Michael Gusmano** launched a major project to develop ethical and policy guidance for xenotransplantation, an experimental treatment that aims to alleviate the human donor shortages by transplanting organs from nonhuman animals into humans. The project is funded by the National Center for Advancing Translational Sciences of the National Institutes of Health.

The project couldn’t be more timely—pig-to-human transplants may have come a step closer with a high-profile experiment in October 2021 that involved temporarily attaching a pig’s kidney to a human body and watching it begin to work. The Hastings project will develop up-to-date ethics and policy recommendations and decision aids for transplant candidates, transplant clinicians, and institutional review boards that will review xenotransplantation clinical trial protocols.

in the media



Pig-to-Human Kidney Transplants

“Pig-to-Human Transplants Come a Step Closer with New Test”

—*Associated Press* (October 20, 2021)

Responding to news of an experiment that involved temporarily attaching a pig’s kidney to a human body and watching it begin to work, **Karen Maschke** spoke with AP about ethical issues concerning animal research and a more foundational question: “Should we be doing this just because we can?”

in the media



Limit Lifted on Human Embryo Research

“ISSCR: Grave Omission of Age Limit for Embryo Research”

—*Nature* (June 22, 2021)

“At some point, the developing human embryo reaches a stage at which it should not be used for research,” write

Josephine Johnston and coauthors. “There is disagreement about when that happens, but scientists need to acknowledge that it does, and reassure the public that they accept limits.”

Bioethics Founders’ and Early-Career Essay Awards

The Hastings Center presented two awards in 2021.

Patricia A. King Receives Bioethics Founders’ Award



Patricia A. King, JD, Professor Emerita of Georgetown Law, was the 2021 recipient of The Bioethics Founders’ Award, formerly the Henry Knowles Beecher Award. The award, given by The Hastings Center, recognizes individuals from around the world who have made substantial, sustained contributions to bioethics in ways that have advanced thinking and practice in medicine, the life sciences, and public policy. The selection committee, which consisted of Hastings Center fellows, was chaired by Alex Capron and included Solomon Benatar, Sissela Bok, James Childress, and Ruth Macklin.

“Moral Bioenhancement” Essay Wins Roscoe Award



Faced with existential threats such as climate change, some scholars argue that “moral bioenhancement” is needed to improve our collective moral capacity to do the right thing before it’s too late. But moral enhancement—whether through medications or other interventions—could have an immoral effect, argues Timothy Brown in “Moral Bioenhancement as a Potential Means of Oppression,” the winner of the 2021 David Roscoe Award

for an Early-Career Essay on Science, Ethics, and Society. The essay was published in *The Neuroethics Blog* of Emory University.



JUST AND COMPASSIONATE HEALTH CARE

Health care can be neither just nor compassionate without greater attention to health equity. The Hastings Center launched a variety of equity initiatives in 2021, made possible by the generosity of several donors and a new fund dedicated to socially just health policy.

The Blair and Georgia Sadler Fund for Socially Just Health Policy

Blair L. Sadler and Georgia Robins Sadler made a major gift for work on socially just health policy at The Hastings Center. The Blair and Georgia Sadler Fund for Socially Just Health Policy will support research, development, and dissemination of publicly accessible information to advance the promotion of socially just health policies worldwide. “Their gift will enable The Hastings Center to expand its research, enhance its impact, and cultivate a more diverse set of scholars committed to creating a more equitable world,” said President **Mildred Solomon**.

Inaugural Group of Sadler Scholars

In June 2021, The Hastings Center welcomed the first group of Sadler Scholars, six doctoral students with research interests relevant to bioethics who are from racial and ethnic communities underrepresented in this field. “The Sadler Scholars represent the next generation of bioethics: a field that is more diverse, widely interdisciplinary and prepared to engage directly with how social inequity shapes human health and well-being,” said Hastings Center research scholar **Nancy Berlinger**, who designed this initiative. Stipends for the scholars are provided by the Sadler Fund. The scholars are:



Calvin Bradley, MDiv, MS

Degree Program: PhD, Conflict Analysis and Resolution Studies, Nova Southeastern University



Clauden Louis, MD, MS

Degree Program: MPH, Johns Hopkins University



Moya Mapps

Degree Program: PhD, Philosophy, Yale University



Kimberly Vargas Barreto, MA

Degree Program: PhD, Philosophy, Loyola University Chicago



Jada Wiggleton-Little

Degree Program: PhD, Philosophy, University of California San Diego



Keona Wynne, MA

Degree Program: PhD, Population Health Sciences, Social and Behavioral Sciences, Harvard T.H. Chan School of Public Health



Reckoning with Anti-Black Racism webinar: (top l-r) Danielle Pacia, Keisha Ray, Jennifer McCurdy; (bottom l-r) Faith Fletcher, Virginia Brown, Claretta Dupree

Reckoning with Anti-Black Racism

An event in October explored an anti-racism initiative co-led by The Hastings Center and a diverse steering committee of justice-focused bioethics scholars. Intended to serve as a model for future anti-racism initiatives, the event highlighted engagement strategies to bolster inclusivity and equity in the field of bioethics. “There is a need to center and amplify the voices and scholarship of Black scholars across generations,” said **Faith Fletcher**, a leader of the initiative who is a Hastings Center senior advisor and newly elected Hastings Center fellow and an assistant professor at Baylor College of Medicine. “Out of this critical need, the anti-racism and bioethics initiative was born in collaboration with The Hastings Center.” The virtual event took place at the annual meeting of the American Association for Bioethics and the Humanities and was supported by The Greenwall Foundation.

New Awards for Outstanding Physicians and Nurses

The Hastings Center and Cunniff-Dixon Foundation launched three new awards to honor physicians and nurses for outstanding care provided to patients nearing the end of life.

The **Dr. Richard Payne Leadership Award** recognizes a physician who works with vulnerable and/or underserved populations. This award is named for Dr. Richard Payne, an internationally acclaimed leader in palliative care who at the time of his death was a trustee of the Cunniff Dixon Foundation and member of The Hastings Center’s board of directors.

Hastings Center Cunniff-Dixon Nursing Awards commend two nurses: one of them for providing optimal end-of-life care in a hospital setting and the other working within hospice and home care.

These new awards add to the five Hastings Center Cunniff-Dixon Physician Awards, which have been given since 2010 to senior, mid-career, and early-career physicians who provide exemplary end-of-life care. The awards are made possible through the generosity of the Cunniff-Dixon Foundation, founded by philanthropist and visionary Matthew A. (“Andy”) Baxter, in partnership with The Hastings Center. Each award will be given in 2022 and every other year thereafter.



Dr. Richard Payne

in the media

Alzheimer’s Drug Approval Raises Many Ethics Questions

“The Stakes of an FDA Probe on New Alzheimer’s Drug”

—*Medpage Today* (July 20, 2021)

“What’s at stake is the soundness of doctors’ decisions to prescribe the drug, the welfare of patients, management of costs, good stewardship of healthcare resources, and the integrity of the drug review process.” —Hastings Center President **Mildred Z. Solomon**



Breakthrough or Breakdown? Should a Controversial New Alzheimer’s Drug Have Been Approved? Should Patients Take It?

In June 2021, controversy swirled around the Food and Drug Administration’s approval of Aduhelm (aducanumab), a new Alzheimer’s disease drug, despite a lack of evidence of efficacy. A Hastings Conversations webinar on July 12 addressed the ethical issues, with Hastings Center President **Mildred Solomon**; Aaron Kesselheim, one of the three FDA advisory committee members who resigned in protest over the decision; and Jason Karlawish, a Hastings Center fellow and physician who has publicly stated that he will counsel his patients against use of the drug. They identified three broad areas of concern: for society, including an erosion of trust in the FDA’s drug approval process and enormous costs to Medicare; for patients, including the risk of the drug, which include brain swelling and bleeding; and for families in the form of false expectations and out-of-pocket costs.



What a Bad Day Science Had

An essay in Hastings Bioethics Forum condemning Aduhelm’s approval was circulated by the National Academy of Medicine and the American Psychiatric Association. The essay was written by Tia Powell, a psychiatrist and bioethicist at Albert Einstein College of Medicine in New York and a Hastings Center fellow.

Facing Dementia: Choices and Ethics in Aging Societies

Contemporary medicine cannot prevent, halt, or reverse dementia. However, social interventions can improve the experience of those living with dementia, reducing fear, stigma, isolation, and financial hardship. A virtual event for The Hastings Center’s advisory council on November 15 discussed the ethics of these interventions, as well as broader choices on dementia open to aging societies. Hastings Center research scholar **Nancy Berlinger** and President **Mildred Solomon** led a discussion with Emily Largent, an assistant professor at the University of Pennsylvania’s Perelman School of Medicine, and Timothy Quill, Professor Emeritus, University of Rochester Medical Center.



Nancy Berlinger’s presentation at “Facing Dementia” event

THE HUMAN LIFESPAN

- **Dementia and the Ethics of Assisted Dying.** Nancy Berlinger and Mildred Solomon (Robert W. Wilson Charitable Trust)
- **Learning from Housing-Focused Covid-19 Response: Actionable Policies and Practices to Support Equitable Aging in the Community.** Nancy Berlinger (Retirement Research Foundation, under subcontract from Harvard University)

HEALTH AND HEALTH CARE

- **All of Us Research Program: Barriers to Caring for Patients with Clinically Actionable Findings that Require Medical Attention.** Carolyn Neuhaus (National Human Genome Research Institute)
- **Justice in Health: Equipping Bioethics to Improve Policy and Practice.** Josephine Johnston (Greenwall Foundation)
- **Patient-Centered Cancer Genome Sequencing Education and Decision Support.** Sarah McGraw (American Cancer Society, under subcontract from City of Hope)
- **Physicians' Occupational Health During Covid-19: A Quantitative Analysis of Systems Factors.** Nancy Berlinger (National Institute for Occupational Safety and Health and Greenwall Foundation, under subcontract from University of North Carolina, Chapel Hill)
- **Rapid-Response Study of Frontline Vaccine Providers in Federally Qualified Health Centers.** Carolyn Neuhaus and Nancy Berlinger (Gil Omenn & Martha Darling Fund for Trusted and Trustworthy Scientific Innovation)
- **Scalable Tools to Effectively Translate Genomic Discovery into the Clinic.** Sarah McGraw (National Institutes of Health, under subcontract from City of Hope)
- **Trust and Health: An Agenda for Research and Policy.** Mildred Solomon (ABIM Foundation)
- **Understanding All of Us Enrollees' and Decliners' Motivations to Enhance Recruitment and Retention.** Carolyn Neuhaus (National Human Genome Research Institute)

SCIENCE AND TECHNOLOGY

- **Actionable Ethics Oversight for Human-Animal Chimera Research.** Josephine Johnston and Karen Maschke (National Institutes of Health/National Human Genome Research Institute)
- **Center for ELSI Resources and Analysis.** Josephine Johnston (National Human Genome Research Institute, under subcontract from Columbia University and Stanford University)
- **Center for Ethical, Legal and Social Implications of Psychiatric, Neurologic and Behavioral Genetics.** Erik Parens and Josephine Johnston (National Institutes of Health, under subcontract from Columbia University Medical Center)
- **Creating an Initial Ethics Framework for Biomedical Data Modeling by Mapping and Exploring Key Decision Points.** (National Institutes of Health/National Human Genome Research Institute)
- **Development of Recommendations and Policies for Genetic Variant Reclassification.** Erik Parens (National Institutes of Health, under subcontract from Columbia University)
- **Ethics of Big Data for AI in Healthcare: Identifying Key Issues for Practice Guidance.** Karen Maschke (Robert Wood Johnson Foundation, under subcontract from New York University)
- **Individualized Therapies for Genetic Disorders: Social, Ethical, Regulatory, and Conceptual Challenges.** Josephine Johnston (National Institutes of Health, under subcontract from Columbia University)
- **Informing Ethical Translation of Xenotransplantation Clinical Trials.** Karen Maschke (National Institutes of Health/National Center for Advancing Translational Science)
- **The Art of Flourishing: Conversations on Disability.** Erik Parens (National Endowment for the Humanities)
- **Wrestling with Social and Behavioral Genomics: Risks, Potential Benefits, and Ethical Responsibility.** Erik Parens (Russell Sage Foundation and Robert Wood Johnson Foundation and the Gil Omenn & Martha Darling Fund for Trusted and Trustworthy Scientific Innovation)

ENVIRONMENT

- **Public Deliberation on Gene Editing in the Wild.** Gregory Kaebnick (National Science Foundation)

EDUCATION

- **CUHK-Hastings Center Scholarly Exchange.** Nancy Berlinger (Edgar Cheng)
- **How Should the Public Learn? Reconstructing Common Purpose for a Democracy in Crisis.** Mildred Solomon, Bruce Jennings, and Gregory Kaebnick (John S. and James L. Knight Foundation)
- **Promoting Justice, Compassion, Integrity and Stewardship through Expanded Ethics Scholarship and Engagement with Targeted Publics.** Mildred Solomon (The Donaghue Foundation)

Research

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Nancy Berlinger, *Research Scholar*
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Membership in our legacy gift society continues to grow. Recognizing the strategic importance of The Beneficence Society, the Robert W. Wilson Charitable Trust in 2021 issued us a Legacy Society Challenge. For each planned gift intention documented after September 1, 2021, the Wilson Trust will make an immediate proportional donation to The Hastings Center's annual fund! For additional details on this program and the Society as a whole, please visit www.thehastingscenter.org/who-we-are/the-hastings-center-beneficence-society/

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STATEMENT OF FINANCIAL POSITION

As of December 31, 2021

Assets

Cash and Equivalents	999,255
Investments, at fair value	11,204,668
Receivables (grants and other)	3,100,429
Other Assets	77,398
Furniture and Equipment (net of accumulated dep)	19,144
Leasehold Improvements (net of accumulated amort)	801,536
Total Assets	16,202,430

Liabilities and Net Assets

Payables and Accruals	111,139
Deferred Compensation Payable	170,599
Deferred Revenue	73,283
Total Liabilities	355,021
Net Assets	15,847,409
Total Liabilities and Net Assets	16,202,430

Statement of Activities and Changes in Net Assets

Operating Revenues and Other Support:	
Grants, Gifts, and Contributions	1,907,208
Government Grants	1,136,161
Publication Revenue	293,933
Other Income	143,384
Total Unrestricted Operating Support and Revenue	<u>3,480,686</u>

Operating Expenses	
Program Services	3,385,883
Management and General	549,530
Fundraising	434,643
Total Operating Expense	<u>4,370,056</u>

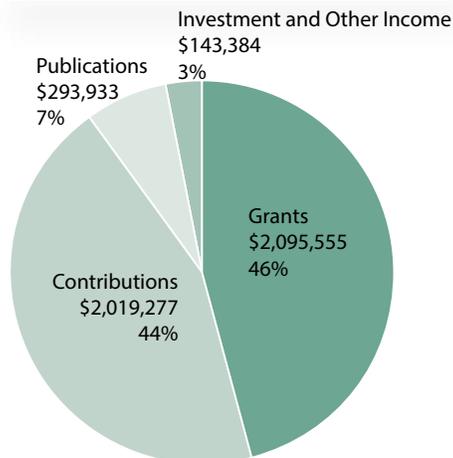
Changes in Net Assets from Operations	(889,370)
Non-operating Income	1,008,878
Change in Net Assets	<u>119,508</u>

Net Assets, Beginning of year	15,727,901
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Net Assets, End of year	<u>15,847,409</u>
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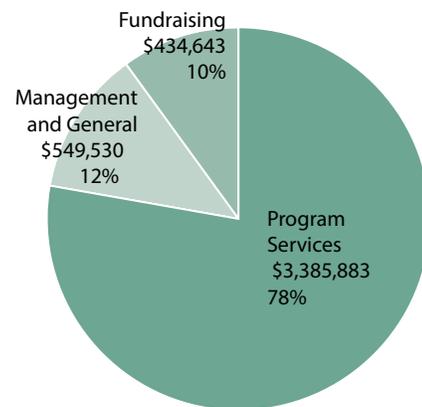
Unrestricted Operating Revenue and Support

For the year ended 12/31/21 = \$4,552,149



Operating Expenses

For the year ended 12/31/21 = \$4,370,056



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