From the Director

This year marked a series of important landmarks for the Center. We successfully submitted a proposal to launch our new Graduate Program in Bioethics—details regarding application processes for our first entering class of students will be on our website beginning summer 2008. In addition, we are launching an ambitious endowment campaign to assure the future of the Center, its faculty, and its programs. Early success includes an important gift by the family of our colleague Steven Miles (see p. 19), which we hope will inspire others and catalyze our efforts.

The Center’s research projects continue to grow in complexity and diversity, and our faculty continue to be recognized locally and nationally for their groundbreaking and innovative work. The increasing scope of our work and the Center’s ongoing growth reflects the University’s interest in and commitment to bioethics, and the engaged collaboration of colleagues from across campus. None of this would be possible without committed support from the University’s Academic Health Center, the Maas Family Foundation, Win and Christie Neuger, the Mellon Foundation, The Greenwall Foundation, the National Institutes of Health, and its programming and research partnerships from the University’s Consortium on Law and Values in Health, Environment & the Life Sciences. Finally, we could not be successful without our colleagues who contribute their resources as well as their time, energy, and commitment.

As detailed in this report, the Center and its faculty are committed to the highest level work in bioethics at our University, across the country, and around the globe. We welcome your input on our efforts.

Sincerely,

Jeffrey Kahn, PhD, MPH
Director and Professor
Maas Family Endowed Chair in Bioethics

Our Mission

The mission of the Center for Bioethics is to advance and disseminate knowledge concerning ethical issues in health care and the life sciences. The Center carries out this mission by conducting original interdisciplinary research, offering educational programs and courses, fostering public discussion and debate through community outreach activities, and assisting in the formulation of public policy.

The Center is open to all points of view regarding moral values and principles. Its research reflects a strong belief in combining the strengths of various disciplines and professions. When possible, research findings are integrated with policy analysis.

The Center provides education in bioethics for University students, faculty, and staff, professionals in health care and related fields, and interested members of the general public.
Faculty News, Appointments and Awards

Dianne Bartels, PhD, was appointed member of the editorial board for the journal of Genetic Counseling. Dr. Bartels and colleague Bonnie LeRoy were awarded a one-year grant from the University of Minnesota Consortium on Law, Values & the Life Sciences for “Positive Exposure: Reframing Perceptions of Genetic Disease and Disability.”

Mickey Rebeau, PhD, was awarded the 2007 Upper Midwest Section Achievement Award for outstanding activities in “promoting excellence, ethics, professionalism, and leadership in dentistry.” The award was bestowed by the Regents of the American College of Dentists, the oldest national organization for dentistry.

Debra DelBruijn, PhD, was appointed as reviewer for Milbank Quarterly; and awarded a grant on “Development of an Ethical Framework for Influenza Pandemic,” by the Minnesota Department of Health (MDH).

Barbara Koenig, PhD, in collaboration with the University of Texas received funding for “Law & Ethics of Drug Addiction: Genetic Research” (LEDGER) from the National Institute on Drug Abuse (NIDA); received funding for “DNA as a Unique Identifier: Privacy, Trust, and the Future of Personalized Medicine” from the Greenwall Foundation; appointed Mentor, University of Minnesota School of Nursing, Member, Mayo Clinic Biobehavioral Trust Diversity Group; and, Member, Ethics Pandemic Flu Workgroup, Minnesota Department of Health.

Joan Liaschenko, RN, PhD, FAAN, was awarded the Maria Goeppert Mayer Visiting Professorship at the University of Osnabrueck, Germany; a visiting scholarship at the Graduate School of Nursing, Midway & Health, Victoria University, Wellington, New Zealand; and received recognition as one of 25 national scholars in nursing ethics to participate in “Nursing and Health Care Ethics: Legacy and Vision” — a groundbreaking conference at Creighton University, Omaha, NE.

Mary Faith Marshall, PhD, was appointed Member, Ethics Pandemic Flu Workgroup, Minnesota Department of Health; and Member, Community Futility Policy Project, Ethics Committee Network, Minneapolis, MN.

Steven Miles, MD, was appointed to the Board of Directors of the Center for Victims of Torture, St. Paul, MN.

Gregory Plotnikoff, MD, MTS, FACP, was appointed Associate Professor, Knoy University School of Medicine, Tokyo, Japan; appointed Medical Director, Institute for Health and Healing, Allina Health Care System; and received the Best Oral Presentation Merit Award at the 4th Asia-Pacific Medical Education Conference, National University of Singapore, Japan.

David Satin, MD, was awarded a grant for a project on “Intergenerational and Interdisciplinary Models of Physician Reimbursement” by the University of Minnesota Office of International Programs; and appointed to the Family Medicine Clinical Service Unit (CSU) Board of Governors as the Department’s Compliance Officer, Department of Family Medicine and Community Health, University of Minnesota Medical School.

John Song, MD, MPH, MAT, was awarded the Early Distin-
guished Career Award from the University of Minnesota Medical Alumni Society; Song and colleagues Dianne Bartels, PhD, Edward Ratner, MD, and Melanie Wall, PhD, were awarded a three-year grant from the National Institute of Nursing Research, National Institutes for Health (NIH), for a project on “Intervention to Improve Expression of End of Life Preferences for Homeless Persons.”

Maryam Valapour, MD, was appointed to the American Thoracic Society Committee on Ethics and Conflict of Interest; appointed to the National Lung Review Board, University of Minnesota, Duluth, United Network for Organ Sharing (UNOS); and appointed Chair, Research Committee, Lifesource Upper Midwest Organ Procurement Organization.

Susan Wolf, JD, was appointed to the Editorial Board of Neuroethics.

Faculty News

The work of the faculty at the Center for Bioethics reaches far beyond the University of Minnesota. In 2007, faculty and associates received an impressive number of awards and appointments to national boards and associations. These accomplishments reflect not only on the efforts of the individual, but also reflect on the Center’s status as a home for exemplary faculty. Our faculty, in turn, serve as important members of the community of scholars and the community at large.

Faculty Associated

Muriel Bebow, PhD, Professor, Division of Health Ecology, Department of Preventive Sciences, School of Dentistry; Chair, Education Committee for the Study of Ethical Development, University of Minnesota.

Edward Ratner, MD, Associate Professor, Department of Medicine, University of Minnesota Medical School.

Bett Visnog, PhD, MPH, Associate Professor, Division of Health Management and Policy, School of Public Health, University of Minnesota.

Post-Doctoral Fellow

David Satin, MD, Assistant Professor, Department of Family Medicine and Community Health, University of Minnesota Medical School.

Visiting Faculty

Carol Tauer, PhD, Professor Emerita of Philosophy, College of St. Catherine.

Emeritus Faculty

Miki Arvokar, RN, EdD, Patricia Crisham, PhD, David Mayo, PhD, and Muriel Ryden, RN, PhD.

Center Faculty

Dianne Bartels, RN, MA, PhD
Assistant Professor, Center for Bioethics; Assistant Professor, Department of Medicine, University of Minnesota Medical School.

John Song, MD, MPH, MAT
Assistant Professor, Center for Bioethics; Associate Professor, Department of Medicine, University of Minnesota Medical School.

Maryam Valapour, MD
Assistant Professor, Center for Bioethics; Department of Medicine, University of Minnesota Medical School.

Susan M. Wolf, JD
Member, Board of Directors of Medicine, University of Minnesota Medical School.

Faculty Associates

Mehak Aroskar, RN, EdD; and John Song, MD, MPH, MAT.

John Song, MD, MPH, MAT, was awarded the Early Distin-
guished Career Award from the University of Minnesota Medical Alumni Society; Song and colleagues Dianne Bartels, PhD, Edward Ratner, MD, and Melanie Wall, PhD, were awarded a three-year grant from the National Institute of Nursing Research, National Institutes for Health (NIH), for a project on “Intervention to Improve Expression of End of Life Preferences for Homeless Persons.”

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Center Faculty

Dianne Bartels, RN, MA, PhD
Assistant Director, Center for Bioethics; Assistant Professor, Department of Medicine, University of Minnesota Medical School.

Debra DelBruijn, PhD
Director of Education and Assistant Professor, Center for Bioethics; and Department of Medicine, University of Minnesota Medical School.

Carl Elliott, MD, PhD
Professor, Center for Bioethics; and Department of Pediatrics, University of Minnesota Medical School; and Department of Philosophy, University of Minnesota.

Jeffrey Kahn, PhD, MPH
Director and Professor, Maas Family Endowed Chair in Bioethics, Center for Bioethics; and Professor, Department of Medicine, University of Minnesota Medical School; School of Public Health; and Department of Philosophy, University of Minnesota.

Joan Liaschenko, RN, PhD, FAAN
Professor, Center for Bioethics; and School of Nursing, University of Minnesota.

Mary Faith Marshall, PhD
Professor, University of Minnesota Medical School; Professor of Law, University of Minnesota; Chair, Department of Philosophy; University of Minnesota.

Joan Liaschenko, RN, PhD, FAAN
Professor, Center for Bioethics; and School of Nursing, University of Minnesota.

Mary Faith Marshall, PhD
Professor, University of Minnesota Medical School; Associate Dean, Social Medicine and Medical Humanities; Professor, Family Medicine and Community Health, University of Minnesota Medical School.

Steven Miles, MD
Professor for Bioethics; and Department of Medicine, University of Minnesota Medical School.

Steven Miles, MD
Assistant Professor, Center for Bioethics; Assistant Professor, Department of Medicine, University of Minnesota Medical School.
When Maryam Valapour, MD, received her first grant from the National Institutes of Health (NIH) – a $750,000 “Career Development” Award – it marked the beginning of a unique research career that is focused on studying the ethical implications of organ transplant policies that affect donors and recipients. Currently, she is working on an NIH sponsored research project in which she is studying the quality of informed consent among living donors – that is whether living organ donors are adequately informed about organ donation and that their decision to donate is adequately voluntary. The focus on issues of transplantation has been at the center of Valapour’s clinical and academic work throughout her career.

Valapour completed her Pulmonary and Critical Care fellowship at Johns Hopkins University, where she also did a fellowship in Health Policy and Bioethics. Her training included working with patients as they prepared for, underwent, and recovered from lung transplant surgery. This experience offered first-hand exposure to not only the clinical issues in transplantation, but to the larger ethics and policy questions surrounding transplantation.

“People are dying on the list,” Valapour says of the waiting list for transplants. According to data from the Organ Procurement and Transplantation Network (OPTN), more than 98,000 people are waiting for transplantated kidneys, lungs, and other organs. The gap between those needing transplants and available organs has grown significantly in the past decade (see inset). “The current rate of organ donation is not sufficient to meet the needs of patients waiting for transplants,” says Valapour. The chronic shortage and a complex series of matching criteria which sets the priority by which patients receive donated organs means that many candidates with an excellent prognosis have long waits for organs to become available.

Due in part to these long waits, living donor transplants have become an important option for those patients on the waiting lists. In 2001, the number of living kidney donors surpassed the number of deceased donors, and research shows that living donor transplantation often offers better survival and quality of life compared to deceased donor transplantation as well as dialysis for the kidney recipient.

Valapour focuses her research on these living donors and their recipients. Working with researchers at the University of Minnesota, the Mayo Clinic, the University of Alabama, and the University of Southern California, the research teams will study the quality of informed consent among living kidney and lung donors over the next three years. The most common living donors are relatives and close friends who are a medical “match” for the patient awaiting an organ. A small number of individuals have become anonymous donors, usually donating a kidney to an unknown individual.

Living organ donation raises ethical questions that the Center for Bioethics – and Dr. Valapour – are interested in answering. “The living organ donor is a unique individual” says Valapour, “he or she accepts risks for the benefit of another.” The transplant community takes this altruistic act seriously and seeks to make every effort to protect donors. Valapour asks, “How do we assure that a donor makes an informed decision in an obviously stressful time?” Although the risk to the donor is relatively small, a donor is undergoing a surgical procedure that will benefit another person, and each donor must understand the consequences. One of the keys to protecting a living donor is “informed consent” – an assurance that the donor is undergoing the procedure under his or her own autonomy and with a full understanding of the potential risks involved. Yet family members and friends can feel pressure to donate. After all, a loved one is critically ill and they might be able to help save his or her life. With emotions

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and familial attachments woven into the equation, there are serious questions about the quality of the decision to donate—i.e., is the decision truly informed? These issues are at the center of Valapour’s research in her latest project. Valapour and her team will explore in depth the questions of whether living donors feel pressured to donate, how that affects the quality of their decision, and how the medical community can best protect the donors’ and recipients’ interests.

Newly Funded Research

**EthicShare**

The Center for Bioethics in partnership with the University of Minnesota Libraries and the Department of Computer Science has been awarded a $517,000 grant from the Andrew W. Mellon Foundation to pilot “EthicShare,” an online website and database for ethics scholars and students to discover and share high quality digital articles and other materials—scholarly and popular press articles, multimedia objects, pre-prints, and archival documents.

The EthicShare pilot is a continuation of an earlier planning grant awarded to the University of Minnesota by the Council of Libraries and Information Resources with funds from the Mellon Foundation. EthicShare grows out of a planning partnership with Indiana University, Bloomington; Indiana University-Purdue, Indianapolis; University of Virginia; and Georgetown University. The pilot phase of EthicShare is bolstered by new relationships with the National Library of Medicine (NLM), the Council of Library and Information Resources (CLIR), the Online Computer Library Center (OCLC) and others.

As a partnership between the Center for Bioethics, the Department of Computer Science, and the University Libraries, EthicShare is a unique interdisciplinary collaboration that brings together a diverse, but deep commitment to innovation and discovery, new forms of scholarship, and scholarly exchange and dissemination. Wendy Pratt Lougee, University Librarian, and computer science professor John Riedl, both Co-Principal Investigators along with Center Director Jeffrey Keh, are leaders in the fields of digital library development, and social networking and collaborative filtering, respectively.

Visit http://www.lib.umn.edu/about/ethicshare/

**Intervention to Improve Expression of End of Life Preference for Homeless Persons**

The Center for Bioethics received a $930,000 grant from the National Institutes of Health (NIH) to fund a three-year project to improve expression of end of life preferences for homeless people. The goal of the study is to determine whether homeless people will write an advance directive, whether assistance of a social worker will increase the rate of completion and most importantly, whether this process will actually change what occurs when a homeless person is hospitalized or dies. Center faculty John Song, MD, MPH, MAT is the project’s Principal Investigator. Edward Ratner, MD; Dianne Bartels, PhD, MA, RN; and Melanie Wall, PhD, from the Division of Biostatistics, School of Public Health, will conduct the study with Dr. Song, which will include participation by 300 homeless people living in Hennepin County. The study will implement a unique health care directive to address the concerns of homeless people. The directive will include descriptions of specific physical features for body identification, will ask about wishes after one dies, and will specifically ask what health care personnel could do that would enhance their dignity.

**Research Updates**

**Development of An Ethical Framework for Influenza Pandemic**

The Minnesota Department of Health (MDH) has extended its contract with the Minnesota Center for Health Care Ethics and the University of Minnesota Center for Bioethics on the “Development of an Ethical Framework for Influenza Pandemic” project. The Center for Bioethics effort is led by Debra Delbruin, PhD. Both centers were contracted by MDH to assist with preparing to address critical ethical issues that are likely to arise during a severe influenza pandemic and to produce a set of ethical procedures for allocating medications, vaccines, protective equipment, and other health care and medical items that may be in short supply in a pandemic.

Five work groups and a protocol committee, in addition to the Resource Allocation Panel, have been meeting monthly as part of this project. It has become clear throughout the process that the framework cannot be fully developed without input from a broader segment of the population.

The extension of the project will add a public engagement component that will occur between the preliminary recommendations from the Resource Allocation Panel and the final recommendations. The final framework will include the Panel’s analysis of the community engagement findings and final recommendations.

Visit http://www.ahc.umn.edu/bioethics/research/ influenza.html

**Managing Incidental Findings in Human Subjects Research**

Following a two-year project funded by National Human Genome Research Institute (NHGRI/NIH) on investigating how researchers should handle incidental findings during research, working group members presented the project findings at the Genetic Alliance 2007 conference in Bethesda, MD. Articles from this project will be published in an upcoming symposium issue of the *Journal of Law, Medicine & Ethics (JLME)*.

**NIRT: Evaluating Oversight Models for Active Nanostucture and Nanosystems: Learning from Past Technologies in a Societal Context**

This four-year grant to the Consortium on Law and Values in Health, Environment & the Life Sciences is entering its second year, with a number of publications now submitted and in progress, including “Developing Oversight Frameworks for Nanobiotechnology” in Volume 9, Issue 1 of the *Minnesota Journal of Law, Science & Technology (MJLST)*. Center faculty Susan M. Wolf, JD, is Principal Investigator and Co-Investigators are Jennifer Kuzma, PhD; Efremos Kokebi, PhD; Gaurumurthy Ramachandran, PhD; and Jordan Paradise, JD.

**Ethics in Big Pharma**

Center faculty, Carl Elliott’s book project on ethics and pharmaceutical marketing, funded by grants from the National Library of Medicine (NLM); and the University of Minnesota Graduate School, identified five ethical concepts related to pharmaceutical marketing: conflict of interest, regulatory capture, drug costs, “dirty money” and corruption. Each of these issues play a significant part in the integrity of the health care professions. As the project has evolved, Elliott expanded the focus to include a broader look at the implications of the union between medicine and consumer capitalism, in particular, to examine the way that the market gives various people and businesses financial incentives to distort the truth. Beacon Press will publish the book, expected in 2009.

**Collaborative Research with University of Minnesota Departments and other Academic Institutions**

*“Helping Hands: Computer Support for Community-Maintained Artifacts of Lasting Value” with the Department of Computer Science and Engineering, University of Minnesota—funded by the National Science Foundation (NSF).*

*“Clinical Outcomes of Live Organ Donors” with the Department of Surgery, University of Minnesota—funded by the National Institutes of Health (NIH).*

*“An Observational Descriptive Study of IBR Practices” with the University of Massachusetts—funded by the National Institutes of Health (NIH).*

*“Use of Hematopoietic Growth Factors in Normal Blood Donors” with the Department of Lab Medicine & Pathology, University of Minnesota Medical School—funded by National Institutes of Health (NIH).*

*“Clinical Trial Research Training Certificate Program” with Keio University Medical School (Japan)—funded by Keio University.*

*“Looking Into Practices of Gene Therapy Research” with San Diego State University—funded by the National Institutes of Health (NIH), National, Heart, Lung and Blood Institute (NHLBI).*

*“Positive Exposure: In the Eye of the Beholder: Celebrating the Richness of Human Diversity” with the Institute of Human Genetics, University of Minnesota—funded by the University of Minnesota Consortium on Law, Values, in Health, Environment & the Life Sciences.*

The Quadrant Project, “Crossing the Lines” with the University of Minnesota Press; the Institute for Advanced Study, the College of Design, the Institute for the Environment; and the Institute for Global Studies—funded by the Andrew W. Mellon Foundation.
“Students often say that bioethics has broadened their view of the world.”
—Debra DeBruin, PhD

Through Center for Bioethics courses, students learn to ask difficult questions, and learn to use new tools to help find answers. Some of these questions have troubled humans for decades – who decides questions that arise at the end of life? Some questions arise from recent discoveries – ethical issues in the use of stem cells or organ transplantation. These questions are unlikely to be answered definitively. Yet when a student’s passion is ignited, they learn to consider opposing positions, and to search for answers. Students go forward with the ability to think deeply and to practice in the medical fields, to study philosophy, or to work in business or non-profit sectors.

Reflections of an Undergrad

In the life of a twenty-something, ten years is an amazing, if not ridiculous amount of time. Especially if said time happens to be these past ten years. At times my life felt like a microcosm of the real world of the ‘90s and this decade – crises of faith and conscience, times of epiphany, and uncertainty of the future – all these things I went through on a fairly regular basis. But with hard work and guidance, I came into my time at the University of Minnesota with my interests “narrowed” – from English, History, Math, Language, Philosophy, and Biological Sciences all the way to Philosophy and the Biological Sciences.

Pursuing such separate interests – two completely separate degrees, in fact – creates enormous obstacles to graduating on time, and similar problems in seeking focused undergraduate research. With a professional background in journalism and communications as well as an educational background in philosophy and genetics, focused research seemed out of reach for a time. While I was fortunate in securing excellent research opportunities in bench science and moral philosophy research it was not until I came upon the Center for Bioethics that I found a research opportunity directly in line with my interests and goals.

I feel it is worth noting that I had attempted to fit a bioethics class into my schedule for years, though schedules always conflicted. After finally finding a class I thought could work, I had the opportunity to talk with the director of education and my soon-to-be research adviser Professor Debra DeBruin. At the time, I was also beginning to think about graduate school. In addition to “talking shop” about class offerings, and her kindly offering advice on how to begin my graduate school search, we discussed the possibility of directed research.

Professor DeBruin was chair of the protocol committee on a project commissioned by the Minnesota Department of Health (MDH) to provide moral guidance on pandemic preparedness planning. While I knew instantly this was a project I wanted to be involved in, I have no doubt that if my interests lay elsewhere, such as clinical ethics, an opportunity would have been available. So began my journey into the world of pandemic preparedness planning.

The project, run jointly between the Center for Bioethics and the Minnesota Center for Health Care Ethics, aimed specifically to provide guidance on fairly allocating a few key resources and, more broadly, on the goals and principles MDH ought to have regarding preparedness. Though I was certainly green, I was encouraged to read up on the subject and research various specific aspects of the project in addition to broad reading. Between dozens of articles and helpful discussions with Professor DeBruin, I quickly got up to speed on the pressing issues and dilemmas facing the group and eventually felt comfortable contributing. This, I must say, is a good feeling – working with a group of professional ethicists, public health officials, community members, and clinicians and being comfortable with the discussion. This is in great part due to the environment fostered by the project leaders; for this I am most grateful.

In addition to an excellent research opportunity and the chance to become involved with the Center for Bioethics, this research experience has crystallized my interest. Before I came to the Center to discuss class options, I was an undergraduate searching for a graduate or professional school, and I saw too many routes to count or even understand. From bench science...
Why Bioethics Graduate Education is Important

Sometimes I try to imagine what my experience of graduate school would have been like if I had not stumbled to immerse myself in the Center for Bioethics. Far less interesting, I am sure. The doors to intellectual growth that have opened for me through bioethics would have remained shut. Several of the faculty members I most admire I would not have met. But as it turned out, I did stumble across bioethics during my early days at the University of Minnesota, and since then the study of bioethics has become central to my experience as a graduate student as well as personally transformative.

I took my first bioethics class on a whim. I had come to the University of Minnesota in 2006 to earn a master’s degree in health journalism, but it had not occurred to me that I might enroll in any bioethics courses until I was here. My focus at the time was on taking classes such as biostatistics and epidemiology, bioethics was not on my radar screen. That changed when I attended the graduate school orientation session just prior to the start of my first semester. Among the hand-outs we were given at orientation was a little card that listed several bioethics classes to be offered that term. When I looked it over I noticed that one of the courses would be taught by Carl Elliott. Where had I heard that name before? Then I remembered. I had heard Dr. Elliott give a lecture at a conference in Montreal a year earlier and it had been one of the most compelling of my graduate school career. Moreover, the Center itself has become a kind of home for me within the U – a place where I always feel welcomed, supported and encouraged.

Now in my last semester of the health journalism MA program, I can see that bioethics has been anything but “minor” in the way it has influenced my development as a student. It has added consider- able depth to my study of health journalism, hopefully in a way that will make me more thoughtful as a writer. It has also given me a context for exploring disciplines such as literature, anthropology, and sociology and their relation to health and medicine. And it has simply added a great deal of enjoyment and satisfaction in being a student again. In fact, I think it is largely because of studying bioethics that I have decided to pursue a second master’s degree – one in mass communication, hopefully in a way that will make me more thoughtful as a writer.

I took that first course and decided about halfway through that I wanted to minor in bioethics. I then took an independent study with Dr. Elliott in the spring of 2007, followed by a course on clinical ethics with Dr. Diane Bartels and Dr. Mary Faith Marshall in the fall. As part of the minor I also took a class on philosophy of the social sciences in the Philosophy department. These courses – none of which I had expected to take – have turned out to be among the most compelling of my graduate school career. Moreover, the Center itself has become a kind of home for me within the U – a place where I always feel welcomed, supported and encouraged.

Graduate Minor in Bioethics

The Graduate Minor, administered by the Center for Bioethics, is designed for University of Minnesota graduate students interested in deepening their knowledge of the ethical issues surrounding health care and the life sciences. It is open to masters and doctoral students in any Graduate School program. It allows graduate students an opportunity to tailor a program of study to their own special interests.

Ethics Education in Medicine

The Center is responsible for ethics education in the Medical School. Dr. John Long serves as director of Medical Ethics education. Center faculty serve on several committees in the Medical School, ensuring that ethical concerns are incorporated into the broader curriculum. They participate in teaching the first and second year Physician and Society course, which combines large and small group sessions to address topics such as informed consent and end of life decisions, making, confidentiality, research ethics, and resource utilization. Center faculty also serve on the Department of Medicine’s Grand Rounds, Resident Didactic Series, Morning Report, and Morbidity and Mortality conferences.

Joint Degree Program in Law, Health, & the Life Sciences

The Joint Degree Program in Law, Health & the Life Sciences (www.jointdegree.umn.edu) allows students to combine a law degree with another degree – this one in a health and the life sciences. It is open to masters and doctoral students in any Graduate School program. It allows graduate students an opportunity to tailor a program of study to their own special interests.

Complete Listing of BTHX Designator Bioethics Course Offerings

BTHX 5000 – Topics in Bioethics (Center Faculty)

This course offers an opportunity for study of bioethics topics of contemporary interest. 

BTHX 5000 – Bioethics Seminar (Center Faculty)

The Seminar will familiarize graduate students with a wide range of topics in bioethics and the work of a number of faculty affiliated with the program, to help students select mentors and research programs. 

BTHX 5000 – Introduction to Clinical Ethics (Marshall, Bartels)

This course uses real cases to examine the most frequent ethical problems faced by clinicians, patients and families, and ethics consultants.
Bioethics Courses Taught in Other Programs

(Center for Bioethics Faculty Instructors)

**Genetic Counseling**

GCD 8923 Ethical and Legal Issues in Genetic Counseling

(See BTHX 8142) (Bartels, Lenoir)

**Law School**

Law 6615 Law, Biomedicine, & Bioethics (See BTHX 5453) (Wolf)

Law 6875 Seminar: Law, Health, and Life Sciences (Wolf)

This seminar explores how we govern research, assess the safety and potential impact of new technologies, and regulate—or even ban them, and examines a wide range of developments in health, environment, and the life sciences. Discussions include science in law and policy development, shall one technology play health compliance, stem cell research and transplantation therapies, and end-of-life issues affecting the homeless.

**Medical School**

INMD 6950 Physician and Society I

INMD 6955 Physician and Society II (Song)

Physician and Society courses introduce first and second-year medical students to community aspects of medical care, including professionalism, biomedical ethics, and cultural and ethnic diversity through lectures and tutorials.

**Nursing**

NURS 8540 Moral and Ethical Positions in Nursing (Liaschenko)

This course studies the moral and ethical positions, from a nursing perspective, on health-related issues at individual, group, population, and policy levels. Specific areas of study include normative ethics, theoretical bias for positions taken, and contextual implications for subsequent action.

**Philosophy**

PHIL 5325 Biomedical Ethics (See BTHX 5325)

**Public Health**

The University of Minnesota’s School of Public Health was one of the first public health schools in the US to require that all its graduate and professional students complete education in public health ethics. Students must successfully complete a course in the ethics of either professional practice or research, and are strongly encouraged to complete both courses.

**PUBH 6742 Ethics in Public Health: Professional Practice and Policy (DeBruin)**

This course focuses on issues of public health practice and policy, and discusses topics such as the roles and values of public health professionals, health care rationing, environmental justice, and ethical issues in infectious disease control.

**PUBH 6744 Ethics in Public Health: Research and Policy (DeBruin)**

This course concentrates on ethical issues in research, and examines basic policies governing research, with a special emphasis on moral issues such as research integrity, informed consent, the inclusion of vulnerable populations in research, community research, and ethical standards for public health research in developing countries.

**College Of Biological Sciences**

Seminar Series Ethics Component: Life Sciences Summer Undergraduate Research Program (LSSURP)

This six-week summer program has collaborated with the College of Biological Sciences to provide a seminar series on ethics in research for undergraduates enrolled in LSSURP. The course is designed to familiarize students with current issues in bioethics, present various approaches to resolving ethical dilemmas, explore the strengths and limitations of these approaches, and provide students with the skills to apply moral reasoning to research that presents ethical conflicts. This project is funded by the National Science Foundation (NSF).

**MED 2506 Biomedical Ethics (Miles, Song)**

In this independent study course, students are expected to identify a particular health care ethics problem from either the clinic or public policy perspective. Each student submits a substantive paper suitable for publication.

**University of Minnesota Courses Offered in 2007 by Center Faculty and Associates**

**BTHX 5000**

Topics in Bioethics

Section I – Consent: Philosophical and Practical Issues

**BTHX 5100**

Introduction to Clinical Ethics

**BTHX 5325**

Biomedical Ethics (Cross listed with PHIL 5325)

**BTHX 5453**

Law, Biomedicine & Bioethics (Cross listed with LAW 6853)

**BTHX 5900**

Independent Study in Bioethics

**BTHX 8142**

Ethical and Legal Issues in Genetic Counseling

**BTHX 8144**

Ethical and Legal Issues in Genetic Counseling (Cross listed with GCD 8923)

**BTHX 8510**

Gender and the Politics of Health (Liaschenko)

This course surveys major topics and issues in biomedical ethics including patients’ rights and duties, informed consent, confidentiality, ethical issues in medical research, the initiation and termination of medical treatment, euthanasia, abortion, and the allocation of medical resources.

**BTHX 5410 – Introduction to Bioethics in Health Policy (DeBruin)**

This course provides an introduction to ethical issues in health policy. Topics will vary to reflect issues of current significance. Discussion will relate to law and politics as appropriate, but will focus on moral analyses of policy issues.

**BTHX 5453 – Law, Biomedicine, & Bioethics (Wolf)**

This seminar examines law and bioethics as a means of controlling important biomedical developments, and discusses the relationship of law and bioethics and their role in governing biomedical research, reproductive decision-making, assisted reproduction, genetic testing/ screening, genetic manipulation, cloning, the definition of death, use of life-sustaining treatment, and organ transplantation.

**BTHX 5610 – Bioethics research and publication Seminar (Miles)**

This seminar examines law and bioethics as a means of controlling important biomedical developments, and discusses the relationship of law and bioethics and their role in governing biomedical research, reproductive decision-making, assisted reproduction, genetic testing/ screening, genetic manipulation, cloning, the definition of death, use of life-sustaining treatment, and organ transplantation.

**BTHX 5900 – Independent Study in Bioethics (Center Faculty)**

This seminar is tailored to students wishing to incorporate work in bioethics into their career plans. It provides an overview of research methods, and discusses career publication strategies, authorship issues, ethics in publication, and peer review.

**BTHX 6500 – Bioethics Research and Publication Seminar (Miles)**

This seminar is tailored to students wishing to incorporate work in bioethics into their career plans. It provides an overview of research methods, and discusses career publication strategies, authorship issues, ethics in publication, and peer review.

**BTHX 6520 – Social Context of Health and Illness (Liaschenko)**

This course explores the social context in which contemporary meanings of health and illness are understood by providers and patients, and discusses their ethical implications. Course readings will be drawn from history, social science, literature, and first person accounts.

**BTHX 5900 – Independent Study in Bioethics (Center Faculty)**

This seminar is tailored to students wishing to incorporate work in bioethics into their career plans. It provides an overview of research methods, and discusses career publication strategies, authorship issues, ethics in publication, and peer review.

**BTHX 8142 – Advanced Topics in Bioethics (Center Faculty)**

Students propose an area for study with faculty guidance, expressed in a written proposal which includes outcome objectives and work plan. A faculty member directs the student’s work and evaluates their project.

**BTHX 8150 – Gender and the Politics of Health (Liaschenko)**

This course explores the moral and political importance of gender in topics related to health. These issues are situated within their institutional and broader social contexts. This course is appropriate for a wide audience including students from the health professions, philosophy, social science, and law.

**BTHX 8600 – Medical Consumerism (Elliot)**

The purpose of this course is to explore the roots and implications of what we will call “medical consumerism.” How is the consumption of medicine shaping our concepts of disease and disability? What larger historical developments have led to our current situation? How is the movement towards medical consumerism changing the profession of medicine today? And how are the tools of medical enhancement shaping the way we think about our identities and the way we live our lives? This seminar will draw on an interdisciplinary set of texts from philosophy, history, literature, law, film and the social sciences in a way of exploring these larger questions.

Amanda Schlesinger, University of Minnesota Medical Student

**DENT 5420**

Dental Care Delivery and Oral Epidemiology

**LAW 6853**

Ethical and Legal Issues in Genetic Counseling

**MED 2506**

Biomedical Ethics

**NURS 8540**

Moral and Ethical Positions in Nursing

**NURS 8542**

Scholarship in Health Care Ethics

**PHIL 5325**

Biomedical Ethics

**Public Health**

The University of Minnesota’s School of Public Health was one of the first public health schools in the US to require that all its graduate and professional students complete education in public health ethics. Students must successfully complete a course in the ethics of either professional practice or research, and are strongly encouraged to complete both courses.
Outreach

**Zach W. Hall, PhD**

As a neuroscientist and the first leader of California Institute for Regenerative Medicine (CIRM), Dr. Hall was chosen as the 2007 Oscar M. Ruebhausen Visiting Professor.

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Professor Zach W. Hall, PhD, founding President of the California Institute for Regenerative Medicine (2005-07) (CIRM) was chosen as our visiting professor. In addition to his role at CIRM, Dr. Hall was formerly Director of the University of Southern California (USC) Zilkha Neurogenetic Institute; Senior Associate Dean for Academic Development in the Keck School of Medicine; and Director of the National Institutes of Neurological Disorders and Strokes, National Institutes of Health (NIH). Dr. Hall was the ideal visiting professor given his experience in the debate, discussion, and eventual approval of Proposition 71 in California and subsequent creation of the CIRM, with their important implications for how institutions and governments deal with controversial science and medicine.

Dr. Hall's week long visit included two primary lectures; one at the University of Minnesota, Twin Cities, and one at the Mayo Clinic. He participated in a number of additional events at both institutions, including a live hour-long interview with Minnesota Public Radio (MPR); meetings with University of Minnesota Stem Cell Advisory Board, and faculty, administrators, and law and graduate students at the University of Minnesota. At the Mayo Clinic, Dr. Hall delivered Department of Medicine Grand Rounds, met with stem cell researchers, medical students, graduate students, and institutional leadership. In addition, the Mayo Clinic collaborated with the University of Minnesota, Rochester in an evening public panel, including commentators from disability law, bioethics, and a Minnesota state legislator.

Dr. Hall's lecture on “Stem Cell Research: At the Intersection of Science Politics, Law and Culture” drew an audience of over 100 on the campus of the University of Minnesota, and was followed by an invitational lunch for 50 that continued the discussion begun during Dr. Hall’s lecture. His grand rounds lecture at the Mayo Clinic attracted 240 attendees in the main lecture room and over 100 attendees at three remote locations. The evening public panel attracted an audience of more than 100 persons.

The Ruebhausen Professorship events held in Minnesota were an unqualified success. In addition to the many attendees at the lectures, hosted lunches and dinners, Dr. Hall’s radio appearance reached many more across Minnesota and the Upper Midwest. The local television station in Rochester covered the evening public panel “live” and made the broadcast available on its website.

Dr. Hall’s visit advanced work and thinking on stem cell ethics and policy here in Minnesota and beyond, and made clear the importance of the relationship of law, politics and science for controversial life sciences research. The collaborative nature of the Ruebhausen Visiting Professor was instrumental in creating a foundation for joint programming and other efforts in the future. We are grateful to The Greenwall Foundation for their generosity in granting us the 2007 Ruebhausen Award.
**Co-Sponsored Lectures & Events**

**Deinard Memorial Lectures on Law & Medicine**

In 2010, "New Neuroscience, Old Legal Problems: The Case of Juvenile Responsibility," was presented by Stephen J. Morse, JD, PhD, University of Pennsylvania. This lecture addressed the legal implications of neuroscientific advances that have been fueled by the revolution in imaging technology.

These lectures are supported by a generous donation from the family of James S. Deinard, Sr. (1988-1989) and Benedict S. Deinard (1899-1909). This fund, established in their memory, presents educational programs on law, medicine, public health, and biomedical ethics. The series is cosponsored by the University of Minnesota’s Center for Bioethics, and the Joint Degree Program in Law, Health, and the Life Sciences, with support from the law firm of Leonard, Street and Deinard.

**Winter Lecture Series presented by the University of Minnesota Medical School Student Committee on Bioethics**

"Setting the Wrong Agenda in Health Care News" by Gary Schnitzer, MA
Assistant Professor, University of Minnesota School of Journalism

"Genetic Technologies and the Ethics of Creating Donors" by Jeffrey Kahn, PhD, MPH
Director, University of Minnesota Center for Bioethics

"Protest Psychosis: Race, Stigma, and the Diagnosis of Schizophrenia" by Jonathan Metzl, MD, PhD
Director, Program in Culture, Health, and Medicine
Assistant Professor, Departments of Psychiatry and Women’s Studies, University of Michigan

"Disciplinary Identities and the Moral Work of Practice" by Joan Liaschenko, RN, PhD, FAAN
Assistant Professor, University of Michigan School of Nursing

"Stem Cell Research" by Sarah Edwards, PhD, BSc MA, Senior Lecturer in Research Ethics and Philosophy of Medicine; Department of Epidemiology and Public Health, University of Minnesota

"The Living Organ Donor: Selfless or Uninformed?" by Maryam Valapour, MD
Assistant Professor, University of Minnesota Center for Bioethics; and Department of Medicine, Division of Pulmonary and Critical Care, University of Minnesota Medical School

Updates to bioethics overviews in 2007 include:

- New Frontiers in Genetic Testing and Screening
- Distributing Limited Healthcare Resources
- Human Stem Cells: An Ethical Overview

The newest summary, *The Ethics of Medical Tourism*, is underway.

**Lectures and Conferences**

**Mini Bioethics**

Have you always wanted to learn more about bioethics, including topics such as ethics and public health emergencies, health care professionals in interrogation, and stem cell research? These were the topics offered in the 2007 mini-bioethics series. The three-week course hosted by Center Director Jeffrey Kahn is offered annually to the public. 2007 lectures were:

- “Complicity of Health Care Professionals in Interrogation” by Steven Miles, MD
- “Human Embryonic Stem Cell Research: Ethics, Politics, and Policy” by Jeffrey Kahn, PhD, MPH
- “Ethics and Public Health Emergencies: How Should We Prepare for Pandemic Flu?” by Debra DeBruin, PhD

**Center for Bioethics 2007 Lecture Series**

"Addicted to Smoking: Brain Disease? Genetic Mismatch? Social Failure?" by Barbara Koenig, PhD
Assistant Professor, Health Promotion, Social and Behavioral Health Research Center, University of Minnesota

"The Ethics of Medical Tourism and the Global Economy" by Leigh Turner, PhD, Associate Professor and William Dawson Scholar, Biomedical Ethics Unit, Department of Social Studies of Medicine, McGill University

"Improving End of Life Care for Homosexual Persons" by John Song, MD, MPH, MAE, Assistant Professor, Center for Bioethics; Department of Medicine, University of Minnesota Medical School.

"Oh The Water…Allegations of Euthanasia at Memorial Medical Center During Katrina Katrina" by Mary Faith Marshall, PhD, Professor, Center for Bioethics, and Associate Dean, Social Medicine and Medical Humanities, Family Medicine and Community Health, University of Minnesota Medical School.

"Protecting Human Subjects in Research: Oversight and Omissions" by Sarah Edmonds, PhD, BSc MA, Senior Lecturer in Research Governance, Biomedical Research Unit; Center for Bioethics and Philosophy of Medicine; Health Care Evaluation Research Group; Department of Epidemiology and Public Health, University College, London.

"Real World Applications of Research Ethics," by Elizabeth Seagren, MS, PhD, Professor, Division of Endocrinology and Diabetes, Department of Medicine; Director, General Clinical Research, University of Minnesota; Lauree Campbell, MHL, RN, Research Subjects Advocate, General Clinical Research Center, University of Minnesota.

"Women and Corruption in Research," by Toby Schoenfeld, PhD, Assistant Professor, Health Promotion, Social and Behavioral Health Sciences Division, College of Public Health, University of Nebraska Medical Center.

"From Durham to Duluth: Medical Tourism and the Global Economy," by Leigh Turner, PhD, Associate Professor and William Dawson Scholar, Biomedical Ethics Unit, Department of Social Studies of Medicine, McGill University.

**Lunch Series on the Societal Implications of the Life Sciences**

- "Science and Politics: FDA Perspective" by Scott Gottlieb, MD, Food and Drug Administration
- "Dual Use & National Security" by David Balan, MD, Stanford University
- "Nutrigenomics: Science, Regulation, and Policy" by Jose Ordorica, PhD, Tufts University
- "Managing Incidental Findings in Human Subjects Research: From Imaging to Genomics" by Jonathan Metzl, MD, PhD

- "Medicinal Plants: Sustainable Sources of New Drugs" by David W. Tschudy, PhD, University of Minnesota
- "Genetic Technologies and the Ethics of Creating Donors" by Jeffrey Kahn, PhD, MPH

- "From Durham to Delhi: ‘Medical Tourism’ and the Global Economy," by Sarah Edwards, PhD, BSc MA, Senior Lecturer in Research Ethics and Philosophy of Medicine; Department of Epidemiology and Public Health, University of Minnesota

**Commentators**

- Michelle Goodwin, JD, University of Minnesota
- Robert Elde, PhD, University of Minnesota
- Benjamin Senauer, PhD, University of Minnesota

**Creating Stem Cells by Research Cloning: Scientific, Ethical, Legal & Policy**

The University of Minnesota, as a public university with a prominent Stem Cell Linearm, led a national audience in exploring the implications of somatic cell nuclear transfer (SCNT), also known as research cloning. This conference convened top researchers and experts to explore the issues raised by SCNT, the options open to universities, and how policy should proceed.
Bioethics at the Minnesota State Fair

In summer of 2007, Center faculty and staff spent the first Sunday of the Minnesota State Fair working at the Academic Health Center’s booth. The attraction of the chance to play “WHAT’S YOUR SPIN?” brought nearly 1,000 visitors to our booth. Visitors were asked to answer one of four “What’s Your Spin?” questions:

1. Sometimes parents with particular disabilities (dwarfism or deafness, for example) want to have children with the same traits so they can fully share in the culture and lifestyle of the parents. Should prospective parents have the right to use genetic testing on embryos to select those with “desired” disabilities?

325 people responded:
- 15% YES
- 84% NO
- 1% UNSURE

2. Should “the Ashley treatment” (medicines and surgery to prevent growth) be given to reduce the physical size of children with severe irreversible neurological and cognitive impairments who are totally dependent on others for all of their care during their entire lives?

107 people responded:
- 44% YES
- 47% NO
- 9% UNSURE

3. Should doctors get paid a bonus if their diabetic patients have well controlled blood sugar? Blood pressure? Cholesterol? Don’t smoke? Take daily aspirin? Why or why not?

410 people responded:
- 26% YES
- 73% NO
- 1% UNSURE

4. Purchasing organs in the US is illegal, but there is strong evidence that organs bought overseas come from the poorest among those nations. Should health insurers or the medical community be responsible for the medical care of patients who come back from another country having purchased an organ?

137 people responded:
- 29% YES
- 63% NO
- 8% UNSURE

The individual comments written to elaborate on answers showed insights and the sort of public engagement that we dream about. It’s heartening to know that the work we do touches a chord with so many, and makes it clear why outreach continues to be an important part of our mission. The Minnesota State Fair brings out millions of our fellow citizens every summer, and it’s great to know that so many are willing to exercise their minds!

The work of the Center for Bioethics does not stay within the walls of the University of Minnesota, but serves as a springboard for research, education, and discussion as society, science, biotechnology and medical advances bring change.

Your Contribution Makes a Difference

Research done by the Center’s faculty reverberates in hospitals, research labs, scientific journals, policy arenas, and throughout the University of Minnesota. Our partnerships with the University of Minnesota Law School, Medical School, School of Nursing, School of Public Health, University Libraries, Department of Computer Science and Engineering, and with universities across the country demonstrate our multidisciplinary and collaborative approach to addressing some of the most challenging bioethical issues of our time.

The Center for Bioethics’ commitment to sharing its work with the wider community is demonstrated by EthicShare, or in its project on preparing for catastrophic health issues such as an influenza pandemic.

From the bedside of a dying patient where physicians and family members confront critical choices to national and state capitols where legislators struggle to shape equitable health care policies; individuals, institutions, and society as a whole are grappling with bioethical issues. The Center for Bioethics leads the way with research, education, public discussion, and community outreach.

There are many opportunities to promote and be a part of the innovative work of the Center for Bioethics. A recent gift from James G. and Laura H. Miles established the Center for Bioethics Unrestricted Endowment, an endowment that will provide important, ongoing funding to advance the work of the Center as important bioethical issues and research opportunities are identified.

It is the hope of the Miles family that others will also support the work of the Center with gifts to this unrestricted endowment fund. You are invited to contribute to the Center for Bioethics Unrestricted Endowment. By doing so, you will become an advocate for research, education, and discussion on critical bioethical issues.

To make a gift and to receive information on how your contribution can make a difference, please contact Holly McDonough at the Minnesota Medical Foundation at 612-625-1440/800-922-1663 or h.mcdonough@mmf.umn.edu.
The Center for Bioethics faculty is widely published, contributing significant articles, book chapters, and books. Steven Miles’ 2006 book, Oath Betrayed: Torture, Medical Complicity, and the War on Terror, was translated into Arabic in 2007—another example of the work of the center being heard around the world.

Books

Book Chapters


Satin D. Interdisciplinary Teams are Needed to Evaluate the Adverse Effects of Pay for Performance. Presented at the Annual Meeting of the American Society for Bioethics and Humanities, Washington, DC, October 17-20, 2007.

Online Publications

Newsletters
In 2007, the Center published three volumes of the Bioethics Examiner featuring Center faculty articles on their current research interest.
"Guarding the Trust or Don’t Take Breaks in the Staff Lounge?" by Steven Miles, MD, Summer 2007 (Vol. 10, Issue 3).
"Responsible Planning" by Debra DeBruin, PhD, Fall/Winter 2007 (Vol. 11, Issue 1).

Print Media
American Prospect
The Arizona Republic
Associated Press
Baltimore Sun
The Boston Globe
Bradenton Herald
Chicago Sun Times
City Pages: The Bioner
Dakota Voice
Dayton Post
Des Spiegel, Germany
Detroit News
Duluth New Tribune
Ganta Wyhroz
Hastings Center Report
International Herald Tribune
Los Angeles Times
The Ledger (FL)
Lexington Herald-Leader
Miami Herald
Minnesota Daily
Minnesota Medicine
Minnesota Monthly
Minnesota Public Radio
Monte Carlo Times
Northern Arizona Daily
Orlando Sentinel
Oregonian
Pregnant Woman
Portland Press
Post Bulletin (MN)
Pregnant Christian
River Falls Journal
San Diego Union Tribune
San Francisco Chronicle
Scientific American
ScienceWorld Daily News
Star Tribune
The State
Time Magazine
UM Alumni Magazine
Village Voice
Waco Tribune-Herald
Washington Post
Winkler Barre Times Leader (PA)
Wisconsin Daily News
Winston Salem Journal

Radio and Television
ABC 60 Minutes
ABC TV Australia
CBS News
Channel 9 News
Democracy Now! War & Peace Report
Fresh Air (KFAI)
KARE-11 News
KEDT 1 AM Radio
KTTV-714 TV Rochester
MyFox Twin Cities
Minnesota Public Radio
National Public Radio
NBC Nightly News
Quality News Network (CA)
Texas Public Radio
WCCO Radio
WNRB Connecticut

Editorial Board Memberships & Peer Reviewers
Center faculty serve as editors, advisors, editorial review board members and peer reviewers for funders, professional journals and academic presses, including:

Accountability in Research
AIDS and Behavior
American Association of Dental Schools
American Educational Research Association
American Journal of Bioethics
American Journal of Clinical Nutrition
American Journal of Kidney Diseases
American Journal of Transplantation
Annals of Internal Medicine
Archives of Internal Medicine
Biorepositories
BioScience
British Medical Journal
Burlington Central
Canadian Bioethics Society
Canadian Institute of Health Research
Clinical Transplantation
Clinical Trials
Community Genetics
Conflict and Health
Cornell University Press
Developing World Biobanks
European Journal of Clinical Nutrition
Families, Systems & Health
Family Medicine
Genetics in Medicine
Hastings Center Report
Health Affairs
HerbalGram
Illinois, Crisis and Law
International Journal of Biosthetics
Japan Foundation
Journal of Adolescence
Journal of Adolescent Health
Journal of the American College of Physicians
Journal of the American Dental Association
Journal of the American Geriatrics Association
Journal of the American Medical Association
Journal of Biomedical Inquiry
Journal of Clinical Ethics
Journal of Dental Research
Journal of Family Practice
Journal of Health Politics, Policy & Law
Journal of Law, Medicine and Ethics
Journal of Moral Education
Journal of Urban Health
Journal of Zonguldak Saniy Esenkulelhos (Turkey)
Kennedy Institute of Ethics Journal
Lannet
Lancet
MacArthur Foundation
Medical Research Council of Canada
Milkland Foundation
Minnesota Asian American Health Coalition
Minnesota Journal of Law, Science & Technology
Minnesota Medicine
National Academy of Sciences, Institute of Medicine
National Human Genome Research Institute
National Research Council
Neuroethics
New England Journal of Medicine
Nursing Ethics
Nursing Inquiry
Nursing Philosophy
Oxford University Press
Pediatrics
Perspectives in Biology and Medicine
Pfizer Medicine
Political Psychology
Science
Science and Engineering Ethics
Social Science and Medicine
Society of General Internal Medicine
Theoretical Medicine

Print Media
American Prospect
The Arizona Republic
Associated Press
Baltimore Sun
The Boston Globe
Bradenton Herald
Chicago Sun Times
City Pages: The Bioner
Dakota Voice
Dayton Post
Des Spiegel, Germany
Detroit News
Duluth New Tribune
Ganta Wyhroz
Hastings Center Report
International Herald Tribune
Los Angeles Times
The Ledger (FL)
Lexington Herald-Leader
Miami Herald
Minnesota Daily
Minnesota Medicine
Minnesota Monthly
Monterey Herald
Moldova African Community
Newspaper
Nature
The Nashua Telegraph

Radio and Television
ABC 60 Minutes
ABC TV Australia
CBS News
Channel 9 News
Democracy Now! War & Peace Report
Fresh Air (KFAI)
KARE-11 News
KEDT 1 AM Radio
KTTV-714 TV Rochester
MyFox Twin Cities
Minnesota Public Radio
National Public Radio
NBC Nightly News
Quality News Network (CA)
Texas Public Radio
WCCO Radio
WNRB Connecticut

Online
American Journal of Bioethics
bioethics.net
medpagetoday.com
minnpost.com
newsscientist.com

From prestigious international conferences to local high school auditoriums, Center for Bioethics faculty present their research and open the door to conversation about key issues in bioethics. Our faculty are highly sought-after professionals who bring their research findings to a wide range of audiences through presentations at conferences, meetings, and in community settings.
Center for Bioethics faculty take great pride in serving on a variety of committees and boards at the University of Minnesota, as well as at the state, national, and international level.
The Center for Bioethics is grateful not only to Center faculty, but also to the people listed below for their commitment and hard work in supporting the Center’s mission.

**Center Associates**
- Bonnie LeRoy, MS  
  Associate Professor, Department of Genetics, Cell Biology, and Development  
  Director, Genetic Counseling Graduate Program, Institute of Human Genetics  
  University of Minnesota
- Anna Mattiacci, JD, MPH  
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  University of Washington
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- Patricia McCarthy Veach, PhD  
  Professor, Educational Psychology  
  University of Minnesota

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  Student Office Assistant
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- Patricia Dahlman  
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- Margaret O’Neill  
  Program Associate

**Resource Center**
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  Research Assistant

**Research Assistants**
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  Nursing
- Alici Hal  
  Philosophy
- Barton Mollard  
  Philosophy
- Elizabeth Penile  
  Public Health
- Nancy Urovstel, RSN, MART  
  Community Program Associate

**Student Intern**
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