



**WILL NANO-BOTS
SAFELY CURE
DISEASE IN THE
FUTURE?**

THE
PROGRAM IN
SCIENCE, ETHICS
AND PUBLIC POLICY
SEPP
UNIVERSITY OF DELAWARE



HOME

RESEARCH INTEGRITY

ENVIRONMENTAL ETHICS

BIOMEDICAL ETHICS

HUMAN ENHANCEMENT

NANO ETHICS

I.T. ETHICS

SCIENCE & TECHNOLOGY POLICY

TEACHING RESOURCES

JOURNALS & ORGANIZATIONS

CENTERS & INSTITUTES



BIOMEDICAL ETHICS

EUTHANASIA & PHYSICIAN-ASSISTED SUICIDE

- [Findings contradict longstanding bias against the use of morphine at the end of life: ScienceDaily](#)
- [Delaware Living Will \(Advanced Medical Directive\): MedLawPlus.com](#)
- [Euthanasia.com](#)
- [Euthanasia: Brian Pollard, MercatorNet](#)
- [Euthanasia & Physician-Assisted Suicide...What Are Doctors Thinking?: Medicinenet.com](#)
- [The Connection Between Medicine, Ethics, and Law -The Right to Die: Jacqueline Porter, Yale-New Haven Teachers Institute](#)
- [Euthanasia and Physician Assisted Suicide: Religioustolerance.org](#)
- [Euthanasia: National Right to Life](#)
- [International Task Force on Euthanasia and Assisted Suicide](#)
- [Non-religious arguments against 'Voluntary Euthanasia': Nicholas Beale and Prof. Stuart Horner](#)
- [IDIS-DPF: Euthanasia](#)
- [The Moral Implications of Refusing Medical Treatment in Terminal Cases: Rev. Gerald E. Geiger](#)
- [Euthanasia-a Christian Surgeon's perspective: Terry L. Gueldner](#)
- [A Look at the movement - the right to die: Louis W. Meyer](#)
- [Voluntary Euthanasia: Stanford Encyclopedia of Philosophy](#)
- [Why I believe in Euthanasia and Voluntary Assisted Suicide: Derek Humphry, Euthanasia Research & Guidance Organization](#)
- [Final Exit Network](#)
- [Compassion & Choices](#)
- [Exit this Way: Luke Turf, Compassion and Choices](#)
- [Religious Health Restrictions: Mergerwatch](#)
- [Politics of Death: San Fransico Chronicle](#)
- [Who can end a life?: Desert Morning News](#)
- [Dignity in Dying - your life; your choice](#)
- [World Federation of Right to Die Societies](#)
- [Assisted Suicide.org](#)
- [Exit International](#)
- [Euthanasia and the Right to Die](#)
- [Euthanasia Clinic - An alternative approach](#)
- [Euthanasia and Religion: ReligionFacts.com](#)
- [Abortion - The aborted contract and the right to life: Sam Vankin](#)
- [Euthanasia and the right to die: Sam Vankin](#)
- [BBC - Religion and Ethics - Euthanasia](#)
- [Should euthanasia be legal?: Euthanasia ProCon.org](#)
- [Public Agenda Issue Guide: Right to Die: Publice Agenda Issue Guide](#)
- [Euthanasia Q & A: Dutch Ministry of Foreign Affairs](#)
- [Euthanasia: Dutch Ministry of Health, Welfare, and Support](#)
- [Before Karen's Coma: Time magazine](#)
- [Physician Assisted Suicide and why patients are motivated to seek death: Science Daily](#)
- [Should Assisted Suicide Be Only Physician Assisted?: Annals of Internal Medicine](#)
- [Physician-Assisted Death: Valerie J. Volmar, Williamette College of Law](#)
- [Physician-Assisted Suicide: Ethics in Medicine,University of Washington School of Medicine](#)

TIRAS HABTIGERIS

- [Tirhas Habtegeris Case Media Statement: Baylor Health Care System](#)
- [Woman's death highlights health insurance crisis: WFAA.com](#)

- [Using Tirhas Habtegeris: Edge-centric](#)
- [Cost-Benefit Ethics: The Case of Tirhas Habtegeris: Dennis Hollinger, Center for Bioethics and Human Dignity](#)
- [Tirhas Habtegeris Case Medical History: Baylor health Care System](#)
- [Family Debates Hospital's Action in Woman's Death: cbs11tv.com](#)
- [Do the poor deserve life support?: Steven E. Landsburg, Slate Magazine](#)

TERRY SCHIAVO

- [Terri Schiavo Case: Legal Issues Involving Healthcare Directives, Death, and Dying: Findlaw Legal News](#)
- [Terry Schiavo - 1963-2005: TBO.com](#)
- [Terry Schiavo Case Resources: University Of Miami](#)
- [The Terri Schindler Schiavo Foundation](#)
- [Euthanasia: Watton on the web](#)

KAREN ANN QUINLAN

- [Karen Ann Quinlan 1954-1985: Karen Ann Quinlan hospice](#)

BABY K

- [United States Court of Appeals for the Fourth Circuit-In the Matter of Baby K](#)
- [Stress and distress in pediatric nurses - the hidden tragedy of Baby K: Ronald M. Perkin, Loma Linda University](#)

SUN HUDSON

- [Houston Mother Loses Fight To Keep Baby On Life Support: NBC5.com](#)
- [Is There A Constitutional Right to Withhold Life Support Or to Die With Dignity \(Sun Hudson case\)?: Ira Krakow](#)
- [Life-Support Stopped for 6-Month-Old in Houston: HealthLawProf Blog](#)

NANCY CRUZAN

- [The Legacy of Nancy Cruzan: University of Virginia Health System](#)
- [Cruzan, by her parents and co-guardians v. Director, Missouri Department of Health](#)
- [Emotions still linger from Nancy Cruzan's right-to-die casw: Dennis Graves, KY3 News](#)
- [The death of Nancy Crizan: PBS transcript](#)

DR. KEVORKIAN

- [Michigan vs. Jack Kevorkian - Dr. Death on trial: Court TV](#)
- [The Kevorkian verdict: PBS](#)
- [Statement From Judge to Kevorkian: New York TimesDeath With Dignity](#)

INFORMED CONSENT

- [Parental consent requirement rejected for emergency contraception: Associated Press](#)
- [Children's Consent to Treatment: University of Bristol](#)
- [Judge Orders Teen to Cancer Treatment: Associated Press](#)
- [When a child is hospitalized, how do you "make it all better"?: Healthlink, Medical College of Wisconsin](#)
- [Adolescence, Medicine, and the Law: Rhonda Gay Hartma, Dunsque University School of Las](#)
- [Confidential Care for Minors: AMA](#)
- [Surrogate Decision Making: AMA](#)
- [Clinical trials in emergency situations: British medical Journal](#)
- [Informed Consent: Maxwell Mehlman](#)
- [Medical Informed Consent: University of Virginia](#)
- [Informed Consent: AMA](#)
- [State-sponsored medical terrorism: Texas authorities arrest parents, kidnap their teenage daughter, and force her through chemotherapy against her will: News Target.com](#)
- [Legal Issues in caring for Adolescent Patients: Postgraduate medicine](#)
- ['Pillow angel' surgery broke law: CNN news](#)
- [Legal issues in caring for adolescent patients: Postgraduate Medicine](#)

PHYSICIANS AND MEDICAL ERRORS

- [Make no mistake - Medical errors can be deadly serious: U.S. Food and Drug Administration](#)
- [Studies Examine Physician Disclosure of Medical Errors](#)
- [Conscience, Religion Alter how Doctors Tell Patients about Options](#)
- [Physicians may say they would disclose a medical error, but how many actually do](#)
- [Why PLoS Sponsored a Roundtable of Medical Whistleblowers](#)
- [10 Patient safety tips for hospitals: Agency for Healthcare research and quality](#)
- [Medical errors kill tens of thousands annually, panel says: CNN](#)
- [An Ethical Dilemma - Medical Errors and the Medical Culture: British Medical Journal](#)
- [Bioethics for clinicians: 23. Disclosure of medical error: Philip C. Hébert, Alex V. Levin, and Gerald Robertson](#)
- [Medical Mistakes - A legal and Ethical Dilemma for doctors and patients: CNN](#)
- [Study Recommends Disclosing Medical Mistakes To Patients](#)
- [Reducing Errors in Medicine: Donald Berwick and Lucian Leape, British Medical Journal](#)
- [The Debate over Medical Error Reporting: Psychiatric Times](#)
- [Medical error: the second victim](#)
- [Medical Errors Still Claim Many Lives: USA Today](#)

GENETICS

- [Tufts veterinary school scientists decode cryptosporidium genome: ScienceDaily](#)
- [six inch tall tree: genetic modification used to control height of trees: ScienceDaily](#)
- [Professor makes case for ethically universal stem cell lines: ScienceDaily](#)
- [Genetics, Biotechnology and the Future: Nancy L. Jones and John F. Kilner, Center for Bioethics & Human Dignity](#)
- [Nature reviews genetics: Nature Magazine](#)
- [Can we develop ethically universal embryonic stem-cell lines: Nature magazine](#)
- [Genetic linkage and association analyses for trait mapping in plasmodium falciparum: Nature Magazine](#)
- [therapeutic cloning -ethics, public opinion: ReligionsTolerance.org](#)
- [Equine cloning's triple play shed's light on calcium, cell signaling, human disease: ScienceDaily](#)

TRANSGENIC FOOD

- [Genetically Modified Foods: Harmful or Helpful?: CSA](#)
- [Biotechnology \(GM foods\): World Health Organization](#)
- [Gm Food Is Answer To Poverty And Hunger: Sunday Herald](#)
- [A different perspective on GM food: Nature Biotechnology](#)
- [Divergent perspectives on GM food: Nature Biotechnology](#)
- [Divergent perspectives on GM food - Letter 2: Nature Biotechnology](#)
- [Reply to 'Divergent perspectives on GM food': Nature Biotechnology](#)
- [Zambia, citing health concerns, bans genetically modified grain: Olga Manda, Africa Recovery](#)
- [Is Genetically Modified Food Good for You?: Newsweek: International Editions - MSNBC.com](#)
- [GM attitudes depend on food type: Foodnavigator.com](#)
- [Labeling GM Food: Consumers International](#)
- [Genetically Modified Foods and Organisms: Human Genome Project Information](#)
- [Food from cloned animal safe? FDA says yes, but asks suppliers to hold off for now: ScienceDaily](#)

HUMAN GENETIC RESEARCH

- [Be All You Can be - The Garreau Group](#)
- [Perfecting the Human](#)
- [DARPA Project List](#)
- [Hybrid Insects EMS Sought By DARPA for Bug Army](#)
- [Continuous Assisted Performance \(CAP\)](#)
- [Tissue engineering - Wikipedia](#)
- [Engineered vascularized tissue](#)
- [The Discoverer's DNA](#)
- [Louisa Flintoft \(Nature Magazine\): Personal Genome--Another First for Watson](#)
- [Nobel Laureate James Watson Receives Personal Genome](#)
- [Is it ethical to use enhancement technologies to make us better than well](#)
- [ethics of boosting brainpower debated by researchers](#)
- [Should Science Make Us Better Than Well](#)
- [Better Than Well by Carl Elliot](#)

- [John MacNeil \(Polular Science\): Better . . . Stronger . . . Faster](#)
- [What is the Future of Diagnostic Medicine?](#)
- [The New Horizon Human-Animal Hybrid Embryos : Pushing the Limits of Speciesism](#)
- [Chinese Scientists Create First Human-Animal Embryo](#)

STEM CELL RESEARCH

- [Clones sperm created in the lab: BBC News](#)
- [First baby from lab-matured egg: BBC News](#)
- [Call for EU-wide fertility rules: BBC news](#)
- [Human stem cell research: all viewpoints](#)
- [President Discusses Stem Cell Research](#)
- [CBHD: Stem Cell Research Articles](#)
- [CBHD: Veritas? Harvard's Stem Cell Initiative by Keith Plummer](#)
- [CBHD: Frozen Embryos: Stem Cell Source or Human Life?](#)
- [CBHD: Clones from Newcastle - C. Ben Mitchell](#)
- [Ethics of stem cell research](#)
- [CNN.com - Research avenue adds fuel to stem cell controversy - July 11, 2001](#)
- [PiaDeSolenniTestimony.pdf \(application/pdf Object\)](#)
- [USATODAY.com - Egg-donor business booms on campuses](#)
- [Our Bodies Ourselves - The Politics of Women's Health - Egg Donation for IVF and Stem Cell Research: Time to Weigh the Risks to Women's Health](#)
- [ScienceMag_Vol308_17June2005.pdf \(application/pdf Object\)](#)
- [Stem cell genes may provide medicine's dream ticket - stem-cells - 13 June 2007 - New Scientist](#)
- [Stem cell insulin offers hope to type 1 diabetics - stem-cells - 31 October 2006 - New Scientist](#)
- [Review 2006: No embryos were harmed... - stem-cells - 23 December 2006 - New Scientist](#)
- [BioScan-cm.pdf \(application/pdf Object\)](#)
- [Point/Counterpoint 10-4-99](#)
- [Stem Cell Research, The Law, Ethics And Common Sense](#)
- [Reason Magazine - The Rise of Stem Cell Research](#)
- [Stem-cell research 'boosting' women's egg trade - ABC News \(Australian Broadcasting Corporation\)](#)
- [California gives go-ahead to stem-cell research - Stem Cell Research - MSNBC.com](#)
- [Dopamine neurons derived from embryonic stem cells function in an animal model of Parkinson's disease : Article : Nature](#)
- [Golden Eggs - The Boston Globe](#)
- [Eggs vs Ethics in Stem Cell Debate](#)
- [NIH Stem Cell Information Home Page](#)
- [How Bush Got There - TIME](#)
- [ScienceDaily: Researchers Reprogram Normal Tissue Cells Into Embryonic Stem Cells](#)

CLONING

- [The Ethical Considerations: Scientific American](#)
- [Yes, Human Cloning should be Permitted](#)
- [Should Human Cloning be Permitted?: Annals 33\(4\), June 2000](#)
- [Religious views on cloning - Cloning - MSNBC.com](#)
- [Cloning Webliography](#)
- [Primer on Ethics and Human Cloning by Glenn McGee, Ph.D.](#)
- [NOVA Online | 18 Ways to Make a Baby | On Human Cloning](#)
- [Genetics and Society: Technologies: Human Cloning](#)
- [The Reproductive Cloning Network - cloning articles, resources and links](#)
- [The Reproductive Cloning Network](#)
- [The Reproductive Cloning Network - cloning articles, resources and links](#)
- [The Reproductive Cloning Network](#)
- [Human therapeutic cloning moves closer to reality - stem-cells - 30 June 2007 - New Scientist](#)
- [Reason Magazine - What Is Too Human?](#)
- [Cloning in Focus](#)
- [The First Human Cloned Embryo: Scientific American](#)
- [Multiple Gene Defects Found in Clones -- 2002 \(912\): 1 -- ScienceNOW](#)
- [Cloned Mice Die Young -- Holden 2002 \(211\): 3 -- ScienceNOW](#)

DISEASES

- [Controversial Treatment of Atherosclerotic Renal Vascular Disease: Lance D Dworkin](#)
- [Coronary calcium scans: Heart scans mired in controversy: MayoClinic](#)
- [First large-scale clinical trial of chelation therapy, a controversial treatment for heart disease:](#)

News-Medical

- [ADHD - The Case of Diane and Vincent Booth: Fred A. Baughman, Jr](#)
- [Controversial Treatments: American Academy of Ophthalmology](#)
- [Bedlam in the Blood: National Geographic](#)
- [DDT to return as weapon against malaria, experts say: National Geographic](#)
- [The U.S. Army gave Congress incorrect information about suicides and Lariam, a controversial malaria drug in Iraq last year: UPI](#)
- [The Dark Side Of Lariam: CBS News](#)
- [Malaria researchers say global fund is buying “useless drug”: avin Yamey. BMJ](#)
- [Cameroon suspends controversial AIDS treatment on prostitutes: Cameroon-info](#)
- [Male Circumcision for Prevention of HIV Transmission: What the New Data Mean for HIV Prevention in the United States: PLoS Medicine](#)
- [Bayer Sold HIV-Risky Meds, Says Can't Judge Mid 80s Actions By 2003 Standards And Knowledge: CBS News](#)
- [Mbeki stirs up Aids controversy: BBC News](#)
- [Mandela reveals family Aids heartache: BBC News](#)
- [Mbeki Opens Controversial AIDS Panel: Agence France Presse](#)
- [AIDS Denialism: The Body - The Complete HIV/Aids Resource](#)