

THE DANIEL W. FOSTER, M.D.
VISITING LECTURESHIP IN MEDICAL ETHICS
(in conjunction with Ethics Grand Rounds)

Tuesday, September 10, 2019 – 12:00-1:00 p.m.
South Campus, Eugene McDermott Plaza Lecture Halls, D1.602

**HUMAN GERMLINE EDITING:
SCIENCE OR FICTION?**

NANCY M.P. KING, J.D.

*Professor in the Department of Social Sciences & Health Policy and
Wake Forest Institute for Regenerative Medicine, Wake Forest School of Medicine
Co-Director, Center for Bioethics, Health & Society
and Graduate Program in Bioethics, Wake Forest University*

Since DNA was discovered, researchers have sought to treat disorders with genetic interventions. The CRISPR editing tool has made gene editing seem easy, thus highlighting scientific, medical, ethical, and policy problems that arise from the prospect of editing human embryos (and that were heightened by the “CRISPR babies” controversy). Editing human embryos creates inheritable changes that: could be harmful; raise questions about pursuing genetic enhancements rather than treatments; and risk prioritizing scientific progress over societal needs. Gene editing should be used for basic research to learn more about human development and disease. We should be very cautious about clinical applications; yet even calls for a moratorium have proven controversial. Improved transparency, robust discussion, global oversight, and increased education in ethics and genetics for scientists and the public may be best practices for this rapidly developing science, but are they achievable? And can they prevent future harms?

Ethics Grand Rounds videos are available a few days after the lecture at:
<http://hdl.handle.net/2152.5/1292>

John Z. Sadler, M.D., Course Director
Program in Ethics in Science & Medicine
For additional information, contact
Ruth Vinciguerra, 214-648-4959
Ruth.Vinciguerra@UTSouthwestern.edu
www.utsouthwestern.edu/ethics

Target Audience: Physicians, faculty, fellows, residents, trainees, students, health care professionals. **Educational Objectives:** At the conclusion of this activity, the participant should be able to: 1) Recognize perennial and emerging bioethical problems in clinical practice, research, public health, and health policy arenas. 2) Describe competing/contrasting viewpoints concerning these bioethical problems. 3) Demonstrate increased skills in analyzing and practically handling bioethical problems in the clinical, research, public health, and health policy arenas. **Educational Method:** Lecture and question-and-answer period. **Accreditation:** The University of Texas Southwestern Medical Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. **Credit Designation:** The University of Texas Southwestern Medical Center designates this live activity for a maximum of 1 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity. The University of Texas Southwestern Medical Center designates this activity for 1 hour(s) in medical ethics and/or professional responsibility. **Conflict of Interest:** All persons in the position to control the content of an education activity are required to disclose all relevant financial relationships in any amount occurring within the past 12 months with any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on patients. A primary mechanism to resolve identified conflicts of interest is a content review that is prior to the activity. **Off-Label Uses:** Because this course is meant to educate physicians with what is currently in use and what may be available in the future, there may be “off-label” use discussed in the presentation. Speakers have been requested to inform the audience when off-label use is discussed.