

ETHICS GRAND ROUNDS

**(Supported by The Daniel W. Foster, M.D. Endowment Fund
For Visiting Lectures in Medical Ethics)**

Tuesday, September 11, 2018 – 12:00-1:00 p.m.
South Campus, Eugene McDermott Plaza Lecture Halls, D1.602

DOCTORS NEED EVOLUTION THE WAY ENGINEERS NEED PHYSICS BUT THEY DON'T GET IT BECAUSE OF POLITICS

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The past 25 years have seen many new applications of evolutionary biology in medicine. Some investigate why natural selection has left systems vulnerable, expanding medicine's perspective from that of a mechanic to that of an engineer. Others use phylogenetic methods to trace relationships among organisms, especially pathogens. These advances have inspired a score of books, new journals, a new scientific society, and undergraduate courses in most universities. However, no medical school teaches evolutionary biology the way other basic sciences are taught, so most doctors have misconceptions that are the equivalent of engineers believing in perpetual motion. Historical, practical, political and religious factors conspire to keep evolutionary biology separate from medicine. Clinical mistakes and slowed research progress result. Recognition of the problem and the opportunity are growing but solutions are likely to be piecemeal until a new generation of doctors assumes leadership positions.

Ethics Grand Rounds videos are available a few days after the lecture at:
<http://repositories.tdl.org/utswmed-ir/handle/2152.5/1292>

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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.