

ETHICS GRAND ROUNDS

Tuesday, February 14, 2017 South Campus
D1.602, Noon–1:00 PM, McDermott Plaza Lecture Hall

SCIENTIFIC FRAUD AND REPRODUCIBILITY CRISIS: WHAT ROLE FOR RESEARCH ETHICS?

R. GRANT STEEN, PH.D.

Professor, Orthopaedic Surgery

Louisiana State University School of Medicine

Manager, Medical Affairs, Bioventus, LLC

President, MediCC! Medical Communications Consultants

If science is self-correcting—as most scientists maintain—why would anyone fabricate data? The fraudulent scientist should surely know that their fraud will be found out. This may explain why actual data fabrication remains rare. But is it possible that some fraudulent scientists don't set out to be fraudulent—or perhaps don't realize that what they're doing is fraud? Perhaps, some scientists become so devoted to an idea that they think of it as a proven truth, not a testable hypothesis. Certainly, it's a hard lesson that the best scientists strive to disprove a favored hypothesis. I see research ethics as a hedge against human fallibility. Rigorous adherence to the norms of scientific practice prevents a hurried scientist from committing fraud, but it also prevents a biased scientist from making inadvertent errors that may ultimately be more damaging.

Ethics Grand Rounds Videos are available a few days after the lecture at:

<http://repositories.tdl.org/utswmed-ir/handle/2152.5/1292>

John Z. Sadler, M.D., Course Director
Program in Ethics in Science & Medicine

For Information Contact

Ruth Vinciguerra, 214-648-4959

Ruth.Vinciguerra@UTSouthwestern.edu

www.utsouthwestern.edu/ethics

Target Audience: Physicians, faculty, residents, fellows, 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.