

2010

Being a Scientist: Responsible Conduct in Biomedical Research

(Path/ANNB 327)

HSRF 400 Tuesday, 4:00-5:15

Course Director: Rae Nishi, PhD (rae.nishi@uvm.edu), HSRF 406, 6-4504

Courses such as this one arise from a growing public concern that many students, postdoctoral fellows, technicians, and even faculty, arrive in the laboratory not fully informed about the norms of science, the ethical requirements of research, or the policies and regulations that govern research. In addition, many situations in which ethical issues arise are complex, and they require a skilled approach for identifying and assessing problems and for finding solutions. This course provides a discussion forum for achieving these goals. Each 75 min session will consist of a brief presentation on the indicated topic, followed by a discussion of relevant cases and scenarios. **The goal of this course is to instill in trainees a strong sense of integrity in science so that they will propagate this culture to future generations of scientists.**

Whether you pass or fail is based upon your attendance and participation in discussions. You must sign and turn in your attendance sheet at the end of every session. You are allowed to miss one session. If you miss more than one, you will receive a "no pass". Postdocs and mentored junior faculty who are auditing this class to fulfill their training requirement in Responsible Conduct must also sign in.

Jan 19	I. Science, Public Advocacy, and Policy	Madeleine Kunin <i>James Marsh Professor at Large</i>
Jan 26	II. Misconduct in Science	Charles Irvin <i>Professor, Medicine</i>
Feb 2 HSRF 300	III. Data Acquisition and Interpretation	Rae Nishi <i>Professor, Anatomy & Neurobiology</i>
Feb 9	IV. Image Manipulation	Todd Clason <i>Asst. Professor, Anatomy & Neurobiology</i>
Feb 16	V. Collaborations	Gary Mawe <i>Professor, Anatomy & Neurobiology</i>
Feb 23	VI. Responsible Authorship	Nicholas Heintz <i>Professor, Pathology</i>
March 2	VII. Confidentiality/ Peer Review	Rae Nishi <i>Professor, Anatomy & Neurobiology</i>
March 9	SPRING BREAK	
March 16	VIII. Journals, Impact factors and Open Access	Gary Ward <i>Professor, Microbiology & Molecular Genetics</i>
March 23	IX. Mentor-Trainee Relationships	Christopher Francklyn <i>Professor, Biochemistry</i>
March 30 HSRF 300	X. Human Subjects	Martin LeWinter <i>Professor, Cardiology</i>
April 6	XI. Conflicts of Interest	Paul Newhouse <i>Professor, Psychiatry</i>
April 13	XII. Intellectual Property: Ownership and Sharing	Todd Keiller <i>Director, UVM Ventures and Technology Commercialization</i>
April 20	XIII. Animals in Research	Margaret Vizzard <i>Professor, Neurology and Vice Chair, IACUC</i>