

Ethics and the Responsible Conduct of Research 2008

BMS 214 / Neuroscience 214

Time: 10:00 AM – 11:30 AM

Course Coordinator: Laura Goodwin – Goodwin.laura@gmail.com

LOCATIONS: Wednesday sessions at Parnassus (N-729)
Thursday sessions at Mission Bay (Genentech Hall Auditorium)

Session 1: Wednesday, April 2
Thursday, April 3

Course Introduction
Scientific Misconduct and Ethical Decision Making
[Bruce Conklin]

2008: The Korean Stem Cell Case

Common ethical decision-making “tests”: Impartiality, universalizability, justifiability; Developing a well-reasoned response to a moral problem in scientific research; use of case studies to demonstrate well-reasoned response to ethical dilemmas.

Session 2 : Wednesday, April 9
Thursday, April 10

Scientific Record Keeping, Data Management
[Tom Ferrin]

Lab notebooks; requirements and community standards for proper collection and recording of data; ownership of data; selection of data for publication and presentation

Session 3: Wednesday, April 16 **[Patricia Babbitt]**
Thursday, April 17 **[Keith Yamamoto]**

Research Funding

Background on public funding of science; NIH structure and function; Types of grants; Proposal evaluation procedures; Private foundations and corporate funding – grants and contracts; conflicts of interest; fiscal responsibility.

Session 4: **Wednesday, April 23**
Thursday, April 24

Animals in Research : Animal rights and Animal Welfare
[Steve Lisberger, Jim Wilkerson]

Philosophical/ethical issues in animal experimentation; The history and philosophical underpinnings of antivivisectionism; Current federal guidelines and UCSF practices concerning lab animal care and use: CAR review procedures, training and certification, pain minimization.

Session 5: **Wednesday, Apr 30**
Thursday, May 1

Publication and Authorship -- Rules and Etiquette
[Francoise Chanut]

Review process, journals and editorial boards; Uniform requirements for manuscripts submitted to biomedical journals (ICMJE); Responsible authorship issues; Plagiarism and proper citation; Copyright management; Community standards regarding confidentiality of reviewed materials; Conflicts of interest in peer review

Session 6: **Wednesday, May 7**
Thursday, May 8

Human Subjects in Research
[Don Ganem]

History of Research with Human Subjects; Helsinki Declaration; Belmont Report; Current institutional practices and policies; Informed consent; Access to patient records/materials; Human studies committees and IRBs; Safety issues in handling of human tissues.

Session 7: **Wednesday, May 14**
Thursday, May 15

Course Conclusion – Wider Reaches of Science and Ethics
[TBD]

Science and its interactions with business, politics, and the public. Conflict of interest, public responsibility, academic mission and corporate goals.