

2008 Ethics and the Responsible Conduct of Research

Neuroscience 214

Course Coordinator:

Laura Goodwin

goodwin.laura@gmail.com

Time: 10:00am - 11:30am

Locations: Wednesday Sessions: Parnassus, N-729
Thursday Sessions: Mission Bay, Genentech Hall Auditorium

Session 1: **Wednesday, April 2**
Thursday, April 3

Course Introduction

A Brief History of 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.

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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.