

Ethics in Life Science Research (Bi 610)

Course Information:

5:00- 6:20 Wednesday October 2 – December 4 in Onyx 275

Course Objective:

- The first objective is that the research scientists taking this course will understand the formal requirements set in place by the NIH regarding research ethics. For instance, we will learn the policies regarding research misconduct, data management or research on animal subjects.
- The second objective is that the research scientists taking this course will read weekly articles that cover real life scenarios related to that week's topic. They will be prepared to discuss the content of the article, and engage in an open discussion about the complexity of these ethical issues
- The third objective is to privately (or openly if you wish) reflect upon real-life scenarios, and in cases where its relevant strategize a plan to cope with the real-life issue.

NIH Requirements for RCR Course

<https://rcs.uoregon.edu/content/responsible-conduct-research-training-and-education-plan/elements-RCR-training-plan>

- **Subject Matter:** research misconduct, conflict of interest, human and animal subject research, mentor/mentee responsibilities, collaborative science, peer review, responsible authorship and publication, data management, scientist in society
- **Course Hours:** recommends at least eight contact hours over a period of time.
- **Frequency:** Instruction at least once during each career stage, and no less than once every four years.
- **Faculty Involvement:** Faculty should be present to participate in conversations
- **Face-to-face interaction:** Online instruction alone is not sufficient to satisfy the training requirement

Class Expectations:

This class is Pass/No pass.

To pass, you must:

- Attend every class. If you need to miss a class contact me for special arrangements.
- Complete the short reading and writing assignment before each class. Writing assignment is small, limited to one paragraph. These will be submitted on Canvas.
- Readings can be found under "Modules" Canvas.

Class Schedule

Class	Date	Topic	Biology Faculty Present
1	Oct 2	Scientists Societal Responsibilities	Cris Niell David Garcia
2	Oct 9	Research Misconduct	Jeff McKnight Diane?
3	Oct 16	Publication Process	Judith Eisen
	Oct 23	No class (out of town)	
4	Oct 30	Data presentation	Alice Barkan Dan Grimes
5	Nov 6	Lab Notebook and Data Management Jonathan Cain	Adam Miller Emily Sylwestrak
6	Nov 13	Human Subjects	Monte Westerfield
7	Nov 20	Animal Subjects Monte Matthews	John Postlethwait Phil Washbourne
	Nov 27	No class (Thanksgiving)	
8	Dec 4	Cultivating a Positive Lab Environment	Karen Guillemin Annie Zemper