

Ethics in Life Science Research (Bi 610)

Course Information:

5:00- 6:20 Wednesday March 30- June 1 in **TBD** (317 LISB for the time being, but possibly 331 Klamath if class size increases)

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.

Requirements Regarding Who Should Take the Course:

Who is required to take this course:

- NIH requires that all those who are supported by NIH training grants or career development awards (both grad students and post docs), are required to have training in Responsible Conduct of Research (RCR).
- Separately, the biology department requires all biology PhD students to take this course at least once, preferably in their second year of grad school.
- The Institute of Molecular Biology (IMB) also expects the same requirements of their students, so that includes those in other departments, like Chemistry, whose research advisor belongs to IMB.

Who is required to take the Refresher course:

- For those who are currently being funded by an NIH training grant or NIH career development award AND have previously completed an RCR course, but it has been more than four years should attend the refresher course on the last day of class.

Class Policy Regarding Attendance and Accountability:

- This class is Pass/No pass.
- You are allowed to miss one class. If you need to miss more contact me for special arrangements.

- Each class period you will be given a one page worksheet to fill out and turn in. This worksheet will ask questions about the articles you read, so please come prepared. This daily worksheet will serve as your accountability for the term.

Overview of Class

	Topic
March 30	Introduction
April 6	Research Misconduct
April 13	Grants
April 20	The Publication Process Part I
April 27	The Publication Process Part II
May 4	Lab Notebook and Data Management
May 11	Healthy Research Environment and Responsible Mentoring
May 18	Human and Animal Subjects
May 25	Science and Society
June 1	Refresher course
	Final Exam