

RESPONSIBLE CONDUCT OF RESEARCH

Biochemistry 729, Section 8

Fall 2018

Time: Friday, 1:20-2:10 pm
Location: Room 1360 Biotechnology Center
Lead Instructor: David Schwartz, Departments of Chemistry and Genetics
dcschwartz@wisc.edu

This is not a formal course on ethics, but instead draws from experts across campus to provide their real-life experiences and insights into responsible conduct of research. The assembled instructors bring to the class a sincere interest in this subject, along with a few resources and some common sense.

The content of the course is designed to cover the 9 points defined by NIH for responsible conduct of research (RCR) training. T32, F30, F31 and F32 trainees should use this course to fulfill the 4th year requirement for their NIH-mandated RCR training. Entering T32, F30 and F31 trainees seeking to fulfill their initial requirement for RCR training are also eligible to enroll.

The course is discussion-based. No lecturing (well, almost no lecturing and no pontificating permitted). As a class, we will discuss issues for which there will often be quite legitimate, but different, perspectives. The most important thing you can do to assure success is to participate, honestly and openly.

The topics for the course will be introduced largely through the use of case studies. Some will be real-life events that triggered a considerable discussion of the issues, but in others, hypothetical but altogether realistic scenarios that draw focus to one or more issues will be considered. The hypothetical studies will come from the textbook (Francis Macrina, *Scientific Integrity: Text and Cases in Responsible Conduct of Research*, ASM Press, 2014, 4th edition). Copies will be provided to all enrolled class members. Information on actual events will be provided via Canvas

Requirements? There will be 13 meetings. It is important that you read any assigned materials before coming to class and *that you think about the issues that will be discussed*. This course is graded pass/fail. In order to pass the class, you have to participate in the discussion. Attendance will be recorded in each class, and you will be permitted only one excused absence during the semester.

Toward the end of the semester, you will be asked to work in small groups (3-4 students) to create your own hypothetical case study, or select a recent relevant event for analysis within the framework of the class that interests you. Presentations and discussion of your case studies will be scheduled for the last several weeks of the semester, and your presence and participation is required for these sessions as well. Each group will turn in a co-authored 1 page, referenced abstract of their presentation and a final copy of any presentation materials.

On behalf of the instructors, we look forward to meeting you.

BIOCHEMISTRY 729 Section 8
FALL 2018 COURSE SCHEDULE

<i>DATE</i>	<i>TOPIC</i>	<i>INSTRUCTOR</i>	<i>ROOM</i>
9/7/18	Introduction	David Schwartz (Chemistry, Genetics)	Room 1360 Biotech. Center
9/14/18	Human subjects/Animals/Stem cells	Mark Burkard (Medicine)	Room 1360 Biotech. Center
9/21/18	Mentor and Mentee Relationships	Lloyd Smith (Chemistry)	Room 1360 Biotech. Center
9/28/18	Academia and Industry	David Schwartz (Chemistry, Genetics)	Room 1360 Biotech. Center
10/05/18	Confidentiality/Peer Review/Intellectual Property	Joshua Coon (Chemistry; Biomol. Chemistry)	Room 1360 Biotech. Center
10/12/18	Collaboration/Authorship/Publication	Meyer Jackson (Neuroscience)	Room 1360 Biotech. Center
10/19/18	Data Acquisition and Management	Baron Chanda (Neuroscience)	Room 1360 Biotech. Center
10/26/18	Personal/Institutional/Societal Responsibilities <i>Case study proposals due for approval</i>	Jennifer Reed (Chemical & Biol. Engineering)	Room 1360 Biotech. Center
11/2/18	Research Misconduct	Brian Fox (to confirm) (Biochemistry)	Room 1360 Biotech. Center
11/9/18	Case Studies	Genetics Faculty TBD	Room 1360 Biotech. Center
11/16/18	Case Studies	Matthew Merrins (Medicine, Biomol. Chem.)/ Samuel Butcher (Biochem.)	Room 1360 Biotech. Center
11/30/18	Case Studies	Audrey Gasch (Genetics)	Room 1360 Biotech. Center
12/7/18	Case Studies	Alessandro Senes (to confirm) (Biochem)	Room 1360 Biotech. Center

Conference / Discussion Rooms:

Room 1360 Biotechnology Center, 425 Henry Mall