Scientific Integrity and Responsible Conduct in Research
NYU School of Medicine

GSAS Course #: BMSC-GA 2000
Course Director: Daniel Rifkin, Ph.D.
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Description: The purpose of this course is to familiarize postdoctoral and pre-doctoral trainees (including MD/PhD candidates) with basic ethical issues confronting scientists in biomedical science research. The course includes reading, lectures, and movies combined with discussion sections. Each student is assigned to a discussion section, and is required to attend all 9 sessions of the course. Attendance is taken, and students missing more than two sessions must retake the course. If a student misses a discussion section, they are required to complete a 2-page essay on the case study assigned by the section leader (due by the next discussion section). Trainees in certain programs are required to retake the course every 4 years.

The course addresses ethical considerations for human and animal subjects, scientific integrity in data management, analysis, authorship, and publication. Additional topics include peer review, scientific fraud, conflict of interest, mentoring, intellectual property, collaborations (including industry) and the role of scientists in society.

The course is designed to meet or exceed all NIH requirements for instruction in the responsible conduct of research, as updated in NOT-OD-10-019 Nov. 24, 2009.

Reading: Reading will be from the ORI “Introduction to the Responsible Conduct of Research” 2007.

Locations & Times: All lectures are held on Wednesdays from 5:00 – 6:30 in Coles Seminar Room 109 on the first floor of the Coles Building. Discussion sessions will be held in the Coles conference rooms on the second floor.

Course Structure & Communication: The introductory lecture familiarizes students with the layout and requirements of the course, and highlights the mandates from the NIH. Two guest lecturers will discuss current problems in fraud, data manipulation, and Institutional responsibility. Five sessions are discussion sections led by faculty from the training programs that are part of Sackler. Students are responsible for completing the reading assignment prior to attending their section. You will not be allowed more than 1 absence. If that happens to be one of the small discussions, you are required to prepare a short (1-2 page) report on the topic that you missed.

The final take-home exam will be distributed on March 31th and is due by 5:00 pm on Friday, April 7th.
<table>
<thead>
<tr>
<th>Date</th>
<th>Time/Location/Topic</th>
<th>Readings</th>
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| Session 1: Introduction & Special Lecture  
Wednesday, 2/1/17 | 5:00-6:30 p.m., Coles 109  
Course Introduction: Dr. Rifkin  
Lecture: Research Integrity & Data Manipulation  
Speaker: Dr. Henry Sun  
Professor of Cell Biology, Biochemistry & Molecular Pharmacology & Urology  
Rudolf L. Baer Professor of Dermatology  
NYU School of Medicine | |
| Session 2: Special Lecture  
Wednesday, 2/8/17 | 5:00-6:30 p.m., Coles 109  
Science Fraud  
Speaker: Dr. Laurel Southard  
Director, Undergraduate Research  
Cornell University | |
| Session 3: Discussion  
Wednesday, 2/15/17 | 5:00-6:30 p.m., Coles 201-210  
(Small groups meet)  
Shared Values | |
| Session 4: Discussion  
Wednesday, 2/22/17 | 5:00-6:30 p.m., Coles 201-210  
(Small groups meet)  
Planning Research | |
| Session 5: Discussion  
Wednesday, 3/1/17 | 5:00-6:30 p.m., Coles 201-210  
(Small groups meet)  
Conducting Research | |
| Session 6: Discussion  
Wednesday, 3/8/17 | 5:00-6:30 p.m., Coles 201-210  
(Small groups meet)  
Reporting and Reviewing Research | |
| Session 7: Discussion  
Wednesday, 3/15/17 | 5:00-6:30 p.m., Coles 201-210  
(Small groups meet)  
Course wrap-up and view the Lab | |