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BIM 209 Scientific Ethics and Integrity Spring 2019

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University of California, Davis
Department of Biomedical Engineering
CRN:64001

Course Content: Scientific integrity and ethics for biomedical scientists, with emphasis and discussion on mentoring, authorship and peer review, use of humans and animals in biomedical research, conflict of interest, intellectual property, genetic technology and scientific record keeping, communicating science.

Organizer: Scott Simon
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Textbook:

- *Scientific Integrity: An Introductory Text with Cases* by F.L. Macrina (2nd or 3rd ed, ASM Press)
- The Immortal Life of Henrietta Lacks; Rebecca Skloot (Author)- **To be read by April 10'th class! See online copy**

Grading: Pass/Non-Pass based on
Class participation (if plan on being absent must get pre-approval)
Final Exam- a mock trial on final day of class.

Schedule: T 12:10 – 2:00 pm GBSF Auditorium Rm. 1005

Schedule of Classes:

Day	Lecture	Lecturer
April 2	INTRODUCTION / AUTHORSHIP AND PEER REVIEW (CHAPTER 4)	Scott Simon
April 9	USE OF HUMANS IN BIOMEDICAL RESEARCH (CHAPTER 5 & The Immortal Life of Henrietta Lacks)	Scott Simon
April 16	USE OF ANIMALS IN BIOMEDICAL RESEARCH (CHAPTER 6)	Leah Krubitzer
April 23	MENTORING (CHAPTER 3)	Chuck Bevins

		Scott Simon
April 30	OWNERSHIP OF DATA & INTELLECTUAL PROPERTY (CHAPTER 9)	Nancy Rashid
May 7	GENETIC TECHNOLOGY AND SCIENTIFIC INTEGRITY (CHAPTER 10)	So Yamada
May 14	COLLABORATIVE RESEARCH (CHAPTER 8)	Kent Leach
May 21	COMMUNICATING Science	Andy Fell
May 28	PREPARATION FOR MOCK TRIAL	Scott Simon
June 3	MOCK TRIAL	Scott Simon