

Advanced Topics in Modern Biology/Stem Cells and Cancer

MONDAY

2:00-3:30 pm

YORK 3010

INSTRUCTOR: YANG XU YANGXU@UCSD.EDU

822-1084

COURSE SCHEDULE

WEEK

TOPICS

1	STEM CELLS
2	EMBRYONIC STEM CELLS
3	ADULT STEM CELLS
4	SELF-RENEWAL AND GENETIC STABILITY
5	DIFFERENTIATION OF HUMAN ES CELLS
6	STEM CELL THERAPY
7	INDUCED PLURIPOTENT STEM CELLS
8	CANCER STEM CELLS

EXAMS AND GRADING:

This seminar-style course will introduce the milestones in stem cell biology. Another goal is to improve the skill of the students to read and comprehend original research papers. One paper will be discussed by a group of students during each lecture.

The grade for the course will be based on the performance in lecture (40%) and the final report (60%).

WEBSITE: TritonED.UCSD.EDU