

BCHB-517: CANCER BIOLOGY
Course Director: Dr. Careen Tang
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Spring 2008 – 1 Credit
T – 10:00 to 12:00 AM Preclinical Science LA2

Course Objectives:

The goal of the Cancer Biology course is to provide a broad understanding of the molecular, genetic, cell biological, and pathobiological aspects of cancer. The course will cover topics in the concepts of the role of oncogenes and tumor suppressor genes, in human cancers, some major signal transduction pathways, gene regulation, apoptosis, and stem cells in cancer. In addition, targeted cancer therapy will also be introduced.

Course Schedule:

Lecture				Topic	
				Labor Day: No Class	
1				Overview : Oncogenes (RTK)	
2				Tumor Suppressor Genes (BRCA1)	
3				Targeted Cancer Therapy	
4				Gene Regulation	
5				Apoptosis and Cancer	
6				Stem Cells and Cancer	
7				Stem Cells and Cancer II	
				EXAMI	

There will be a Mid-term Exam added for Spring 2009.