CANCER BIOLOGY (CBIO)

CBIO 246. Clinical Cancer Research Internship Program. 1 Unit.
As this is a limited enrollment course, graduate students interested in this course will contact must be affiliated with Cancer Biology Ph.D. Program and must contact the primary instructor Dr. Majeti and the course director Drs. Attardi and Sage by email: nA prerequisite for the course is the successful completion of the online training component for HIPAA certification: n1. Documented proof of Measles, Mumps & Rubella immunity in the form of vaccine dates or positive blood tests n2. Documented proof of Varicella (chicken pox) immunity in the form of vaccine dates or positive blood tests n3. Annual TB screening (PPD for US born or born in Canada and QFT for foreign born of high risk TB countries) n4. Annual Influenza vaccine (between Nov 1-March 31) n5. The first component of the course, Dr. Majeti will identify an oncologist (adult or pediatrics) actively working in the clinic that the student can shadow that quarter for a minimum of 4 hours and will put the student in contact with the clinician. Shadowing hours can be at any time of the week or the weekend. The clinician will contact Dr. Majeti to confirm that the student has shadowed him/her for 4 hours n6. The second component of the course, Dr. Majeti will inform the student when the oncology clinical tumor board meets. The student must attend at least 3 tumor board sessions in the quarter (1h30 each). n7. The third component of the course, the student will write a one-page analysis of a clinical paper related to cancer biology.

CBIO 260. Teaching in Cancer Biology. 1-10 Unit.
Practical experience in teaching by serving as a teaching assistant in a cancer biology course. Unit values are allotted individually to reflect the level of teaching responsibility assigned to the student.

CBIO 275. Tumor Immunology. 3 Units.
Tumor Immunology focuses on the mechanisms by which tumors can escape from and subvert the immune system and conversely, the ability of innate and adaptive arms of the immune system to recognize and eliminate tumors. Topics include: tumor antigens, immunosurveillance and immunoeediting, tumor microenvironment, tumor induced immunosuppression, tumor immunotherapy (including cancer vaccines, CARs, TILs, checkpoint antibodies, monoclonal antibodies and bispecific antibodies, as well as bone marrow transplantation and radiation therapy). Tracks the historical development of our understanding of modulating tumor immune response and discusses their relative significance in the light of current research findings. Prerequisite: for undergraduates, human biology or biology core.
Same as: IMMUNOL 275

CBIO 280. Cancer Biology Journal Club. 1 Unit.
Required of and limited to first- and second-year graduate students in Cancer Biology. Recent papers in the literature presented by graduate students. When possible, discussion relates to and precedes cancer-related seminars at Stanford. Attendance at the relevant seminar is required.

CBIO 290. Curricular Practical Training. 1-2 Unit.

CBIO 299. Directed Reading in Cancer Biology. 1-18 Unit.
Prerequisite: consent of instructor.

CBIO 399. Graduate Research. 1-18 Unit.
Students undertake investigations sponsored by individual faculty members. Cancer Biology Ph.D. students must register as soon as they begin dissertation-related research work.

CBIO 801. TGR Project. 0 Units.

CBIO 802. TGR Dissertation. 0 Units.