

SYLLABUS :-

Oncogenes and cancer, tumor suppressor genes, growth factors and signal transduction, signal transduction mechanism, cell cycle and apoptosis, angiogenesis, different important bio-markers and targets for targeting cancer e.g.: epidermal growth factors and its receptors, vascular epidermal growth factor and its receptors, PI3-K and AKT and others, different compounds for cancer therapy, monoclonal antibodies, small tyrosine kinase inhibitors and others. Combination therapy with antibody or small tyrosine kinase inhibitors in combination with chemotherapeutics drugs alone or with radiation. Ionizing radiation: a genetic switch for cancer therapy.