



COMSTECH – THE UNIVERSITY OF JORDAN

TRAINING WORKSHOP II

Cancer Genetics and Signal Transduction

Workshop 15-16 March 2023

Hallaqqa Hall / Chemistry Department

Day 1: 15th March 2023



SESSION I: Cancer Genetics	
0830 - 1000	Cancer-Introduction & Classification
1000 – 1130	Oncogenes & Tumor Suppressor Genes
1130 - 1300	Epigenetics & miRNA
1300 - 1430	Lunch Break
1430 - 1600	Diet & Cancer Gene Regulation
1600 - 1630	Discussion

Day 2: 16th March 2023

SESSION II: Signal Transduction	
0830 - 1000	Receptors-G-Protein, Tyrosine kinase, non-tyrosine kinase
1000 – 1130	Second messengers-cAMP, G=GMP, Ca ²⁺ , IP ₃ , DAG
1130 - 1300	Transducer-Kinases, STAT, JAK pathways; Transcriptional factors
1300 - 1430	Lunch Break
1430 - 1600	Tissue culture: Primary cell lines, Cancer cell lines
1600 - 1730	Adherent cancer cells, Non adherence cells