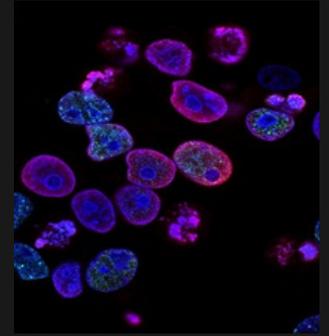


TRAINING IN CANCER BIOLOGY

Ist Week - Basics of Cancer Biology & Identification of Cancer

- Day 1: Lab safety and Procedures , Chemical & Reagent Preparation
- Day 2: Identification & Cancer Cell Assessment
- Day 3: Cancer Cell Staining Assay
- Day 4: Cancer Cell Proliferative Assay
- Day 5: PCR Analysis of Cancer Gene



IIInd Week - Cell viability and apoptotic assays

- Day 1: Trypan blue dye exclusion assay
- Day 2: Lactate dehydrogenase assay
- Day 3: Terminal deoxynucleotide transferase-mediated biotin-dUTP nick end Labeling assay (TUNEL Assay)
- Day 4: Comet DNA Damage Assay
- Day 5: MTT Assay For Cell Toxicity



IIIrd Week - Genetic Toxicology or Epigenetic Studies

- Day 1: Bioinformatics Tools For Methylation Primer Designing
- Day 2: Methylation in DNA - Bisulfites modification of DNA
- Day 3: Bisulfide modification in nanogram quantities of DNA
- Day 4: Methylation Specific PCR Technology :- PCR & Applications, Optimisation of PCR
- Day 5: Expression Studies by Real Time PCR Assay



IVth Week - Methylation Analysis by dHPLC & ELISA

- Day 1: Reagent Preparation For dHPLC for Methylation Analysis
- Day 2: Basics of HPLC, Method Discussion & HPLC Software Handling
- Day 3: Sample run For Methylation Analysis by HPLC
- Day 4: Data Analysis of Methylation (detect the level of 5mC (5-methylcytosine)
- Day 5: Methylation Detection by ELISA



Vth Week - Project Work

We will share our ideas and decide for small piece of research in limited time frame.

Cost of Training : Training Only -INR 14,000 / -
Training + Project - INR 16,000/-

Duration : 80 to 100 Hrs or 4 to 6 Weeks



Email : info@allelelifesciences.com || allelelifesciences@gmail.com

WhatsApp : 9891179928 || 8377082003

Web : www.allelelifesciences.com