



TRAINING WORKSHOP

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-  C-59, Sector - 10, Ind. Area, Noida,
Uttar Pradesh - 201301

IN-VITRO CELL CULTURE TECHNIQUE

Join Our Workshop

Content

- **Setting up a cell culture lab & Accessories**
- **Cell Culture, Cell Analysis and Morphology Study**
- **Cell Proliferation Assay**
- **Preparation of available drug at different concentrations**
- **MTT Assay for Cytotoxicity**

Duration

20 Hours

Fee

INR 5,000 /-

Instruments Used

Bio-Safety, Co2 Incubator(Thermo Scientific), Cryo Preservation, Inverted Microscope(Olympus), Fluorescence Microscope(Olympus), FLU3000 Software for image analysis, Microplate Reader.



SCHEDULE

Kindly Contact us for
schedule before
registration



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ANALYSIS BY FLOW CYTOMETRY

Join Our Workshop

Content

- Principles of Flow Cytometry & Its Application
- Overview of instrument and Set Up
- Quality Control & Experimental Designing
- Cell Cycle Analysis
- Apoptosis Analysis
- Data Analysis & Presentation .

Duration

20 Hours

Fee

INR 5,000 /-

Instruments Used

Flow cytometer (B.D. Bioscience), Bio-Safety, Co2 Incubator(Thermo Scientific), Cryo Preservation, Inverted Microscope(Olympus), Fluorescence Microscope(Olympus), Microplate Reader.



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PCR & REAL TIME PCR ANALYSIS

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Content

- High Quality RNA Extraction, Qualitative & Quantitative Analysis
- First Strand cDNA Synthesis
- Primer Design For Real Time PCR
- Qualitative RT-PCR Analysis for confirmation of gene expression
- Quantitative Real Time PCR Analysis
- Gene Expression Data Analysis with
- Standard curve and expression Ct Value
- Data Analysis.

Duration

20 Hours

Fee

INR 5,000 /-

Instruments Used

Real Time PCR (ABI), Thermo Cycler (Biorad, ABI & Eurofin), Gel Documentation System (VWR), PCR Cabinet, Microplate Reader, All Plasticware & Reagents



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PROTEIN PURIFICATION & ANALYSIS

Join Our Workshop

Content

- Protein Extraction from Cell
- Quantification of Protein - Bradford / Lawry's Method
- Buffer & Reagent Preparation For Protein Purification
- Dialysis for desalting protein & CM
- Seahorse Size Exclusion Chromatography
- Protein Purification by Fast Protein Liquid Chromatography.

Duration

20 Hours

Fee

INR 5,000 /-

Instruments Used

Fast Protein Liquid Chromatography (G.E Cytiva), Affinity Chromatography System (Biorad), High Pressure Liquid Chromatography (Thermo & Agilent , SDS-PAGE & Western Blot Units

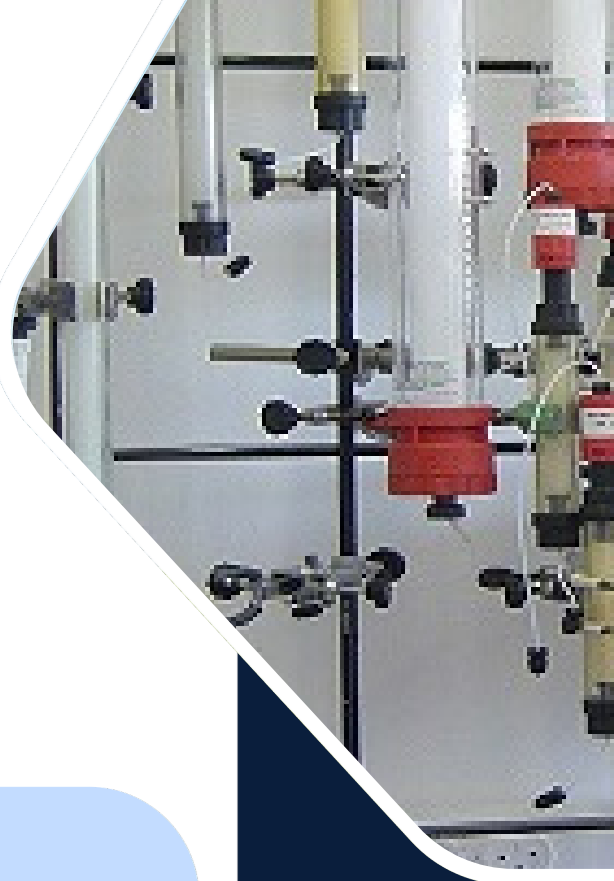


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SAMPLE ANALYSIS WITH HPLC

Join Our Workshop

Content

- **Basics of HPLC - instrument in detail- including the solvent delivery system**
- **Sample injection, connecting tubing and fittings, commonly used detectors**
- **HPLC System Suitability Check**
- **HPLC Sample & Standard Preparation- Mobile Phase Selection & Preparation, Preparation of Standard Solution**
- **Sample Run with HPLC**

Duration

20 Hours

Fee

INR 5,000 /-

Instruments Used

Various HPLC System from Agilent, Thermo Scientific coupled with PDA, FLD and ESD Detectors.



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SAMPLE ANALYSIS WITH GAS CHROMATOGRAPHY

Join Our Workshop

Content

- Basics of Gas Chromatography
- Suitability, ample injection, connecting tubing and fittings
- GC System Suitability Check
- GC Sample & Standard Preparation
- Preparation, Preparation of Standard Solution
- Sample Run with Gas Chromatography.

Duration

20 Hours

Fee

INR 5,000 /-

Instruments Used

Various HPLC System from Agilent, Thermo Scientific coupled with PDA, FLD and ESD Detectors.



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