

# CSIR – INDIAN INSTITUTE OF INTEGRATIVE MEDICINE JAMMU



14<sup>th</sup> -16<sup>th</sup>

March  
2022

Venue:

CSIR-IIIM  
Canal Road, Jammu.

## THREE DAY WORKSHOP

ON

GENE CLONING AND CELL CULTURE TECHNIQUES IN ANTI-CANCER  
DRUG DISCOVERY  
(CSIR- INTEGRATIVE SKILL INITIATIVE PROGRAMME)

The workshop is intended to teach and train beginners in basic gene cloning and mammalian cell culture techniques, along with the inherent conceptual knowledge.

While *in-vitro* mammalian cell culture is considered as the backbone of pre-clinical drug development, gene cloning is useful in studying the structure and function of genes, and forms the cornerstone of drug discovery, vaccine development and gene therapy etc.

### Topics covered in this workshop will include:



Demonstration of Techniques involved in Mammalian Cell Culture like Gel Electrophoresis and Western Blotting, Selection of Human Cell lines for Drug Discovery.



Screening of Anti-Cancer Agents, Experimental Procedures involved in Gene Cloning like Plasmid DNA Isolation.



PCR Amplification, Restriction, Digestion of Gene of Interest and Plasmid DNA etc.

#### Co-ordinators :

1. Dr Zabeer Ahmed, Head Pharmacology Division
2. Dr Anindya Goswami , Sr. Principal Scientist
3. Dr Shashank K Singh, Principal Scientist
4. Dr Mohd. Jamal Dar, Principal Scientist

20 Seats on the basis  
Of 1st Come 1st Serve

Fee Rs. 2360

(2000+18% GST)

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**PATRON:**

Dr. D SRINIVASA REDDY  
DIRECTOR, CSIR-IIIM