



## 5 days Virtual Faculty Development Program

On

### “Advancements and Innovations in Cellular Communication and Signal Transduction”

17<sup>th</sup> - 21<sup>st</sup> July, 2023

*Organized by:*

Department of Biotechnology  
Jaypee Institute of Information Technology  
Noida – 62

## JIIT & Department of Biotechnology

JIIT, an AICTE approved NIRF (MHRD) ranked and NAAC accredited Deemed University has been constantly ranked amongst the top engineering Institutes in Delhi-NCR.

The Department of Biotechnology JIIT, established in 2002 remains committed to provide research-informed teaching and learning and a vibrant R&D environment. It has been consistently ranked amongst the best Institutions in India by Biospectrum. Research focus of the department is on emerging, re-emerging and life style diseases, natural bio-products of therapeutic and industrial importance, their molecular mechanisms of action and Bio/Phyto remediation strategies has resulted in extramural funded projects and publications of national and International repute.

### About FDP

All living cells are dynamic systems capable of responding to internal and external stimuli or signals. This dynamism comes as it can communicate with its internal and external environment through cell signalling. In biology, cell signalling or cell communication is the ability of a cell to receive, process, and transmit signals with its environment and with itself. Therefore, it becomes important to study and learn about the signalling pathways as a large number of diseases are caused by defects in signalling pathways.

To identify these key signalling proteins and their biological functions in disease biology, network based approaches are primarily used. Their functions can be studied with the help of classical biochemical approaches, often combined with modern platforms such as Phosphoproteomics, Mass spectrometry, FACS analysis and immunocytochemistry etc, enabling the study of these signalling molecules.

The FDP “AICCST”, going to be organised by Department of Biotechnology, during July 17-22 will provide a best suitable platform to learn the basics and application regarding cell communication and the technology used to analyse the same.

### Sessions to be covered:

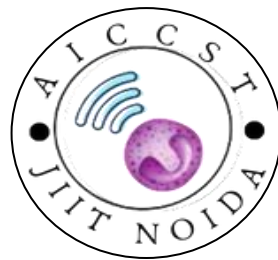
***Cellular communications and Signal transduction***

***Advanced approaches to study signalling pathways***

***Signalling Defects and Human Disease***

***Hands on Practice on Network Medicine to identify disease modules and pathways***

***Flow cytometry in Cell signalling studies: Basics, applications and demonstration***



## RESOURCE PERSONS

A set of prominent speakers from industry and Academia who are involved in the latest research areas of Molecular Cell biology will deliver talks on various advanced topics.

## CHIEF PATRON

Hon'ble Shri Manoj Gaur

## PATRONS

Prof. S.C. Saxena  
(Pro Chancellor, JIIT)

Prof. B.R. Mehta  
(Vice Chancellor, JIIT)

## CONVENOR

Prof. Pammi Gauba  
(HOD, Dept. of Biotechnology;  
Dean (A&R)-1; Dean (IA & SP)

## PROGRAM COORDINATORS

Prof. Rachana  
Dr. Shalini Mani

## REGISTRATION FEE

Faculty/Scientists/Participants from industry: Rs. 500  
Members of JIIT: NIL

## REGISTRATION LINK

[https://docs.google.com/forms/d/e/1FAIpQLSc2XeeuXvqE-ZIC66z8V5zvFQxub9Hw-C6pKYYPwylzVJWbEA/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSc2XeeuXvqE-ZIC66z8V5zvFQxub9Hw-C6pKYYPwylzVJWbEA/viewform?usp=sf_link)

Scan the QR code for payment



OR

Click the link to pay

<https://payments.cashfree.com/forms/FDPBT>

Last Date of Registration:  
July 10th, 2023

***E-certificates will be provided  
to all the participants***

## ADDRESS FOR COMMUNICATION

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