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 Bio-spectrum. 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.

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

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.
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

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
Prof. Rachana
9315434437
Dr. Shalini Mani
9873490569
Email : fdpjiit23@gmail.com
Department of Biotechnology,
Jaypee Institute of Information Technology,
A-10, Sector-62,
Noida-201309, U.P.