



Faculty Development Program



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Title : TWO DAY FDP ON THE MULTIPLE FACETS OF DRUG DISCOVERY AND DEVELOPMENT





Date : 10-Jan-2024 - 11-Jan-2024

Time : 10:00 - 17:30

Venue : SMV209

Discussion Points

- FN session What expertise are required for drug discovery How does that work Why animal models are poorly predictive of human clinical outcomes
- Structure guided Drug Design Ligand based approaches for Identification of inhibitors Protein ligand interaction molecular simulation
- integration of omics data and network biology drug target selection machine learning network parameters drug target prediction
- Drug Discovery and Development -till the launch of the product Preclinical development Clinical development Regulatory Issues

	<p>Resource Person 1 - Details Name : DR SUBRAHMANYAM VANGALA Designation : CEO, NOT APPLICABLE University/ Company : Reagene Biosciences Pvt Ltd. , Bengaluru, India Address : India, 560013.</p>
	<p>Resource Person 2 - Details Name : DR IMRAN SIDDIQUI Designation : Chief Scientist, Professor, AcSIR , Centre for Bioinformatics and Computational Biology LSN-104, Biochemistry and Structural Biology Div University/ Company : CSIR-Central Drug Research Institute, Lucknow, India Address : India, 226031.</p>
	<p>Resource Person 3 - Details Name : DR SONIKA BHATNAGAR Designation : Professor and Head, Department of Biological Sciences and Engineering University/ Company : Netaji Subhas University of Technology, Dwarka, New Delhi 110078 Address : India, 110078.</p>
	<p>Resource Person 4 - Details Name : DR B MANIVANNAN Designation : CHIEF BRAN PROMOTION VP PLANT OPERATIONS, PLANT OPERATIONS University/ Company : GENAXY SCIENTIFIC PVT LTD, NEW DELHI Address : India, 110058.</p>

Resource Person's Profile :

1. Profile of DR SUBRAHMANYAM VANGALA

profile is provided below

Brief Profile - Subrahmanyam Vangala Co Founder and Director at Reagene Innovations Pvt Ltd Greater Bengaluru Area

2. Profile of DR IMRAN SIDDIQUI

Dr Mohammad Imran Siddiqi Chief Scientist,

Professor AcSIR (Academy of Scientific and Innovative Research)

Coordinator Centre for Bioinformatics and Computational Biology

LSN-104, Biochemistry and Structural Biology Division

CSIR Central Drug Research Institute Sector 10 Jankipuram Extension, Sitapur Road Lucknow 226031 ,
UP, INDIA

3. Profile of DR SONIKA BHATNAGAR

Dr. Sonika Bhatnagar completed her Ph.D. and Post-Doctoral work in Department of Biophysics, AIIMS. involved with the BSE Department since its inception. worked towards developing the curricula, laboratories and other infrastructure in the Department. She carried out an international consultancy assignment and was awarded the Innocentive solver award for shortlisting of five top therapeutic targets for obesity in 2003. Her work lies in the area of systems biology and related areas.

4. Profile of DR B MANIVANNAN

Dr. B.Manivannan

Chief -Brand Promotion (India), VP -Plant Operations, GENAXY SCIENTIFIC PVT. LTD. Janak Puri,
New Delhi-110058

This 2 day FDP (4 sessions) will focus on the following

preclinical, clinical and regulatory aspects involved in drug development (culminating in the launching of the product. Also, on the changing landscape from animals to human based microphysiological (MPS) models and the challenges ahead.

In addition, this FDP will involve hands-on training on the following simulation of ligand-receptor network pharmacology (drug target selection and prediction interaction network biology omics data-based analysis)

simulation tools Drug target selection by integration of omics data using network biology Machine learning with network parameters for drug target prediction

**Coordinator's: Prof. SURESH P.K 11883 - Professor Higher Academic Grade - SBST
Prof. GODWIN CHRISTOPHER J 11540 - Professor Grade 1 - SBST**