

Research and Development Cell and Department of Biotechonology In Association with Karnataka Science and Technology Academy (KSTA), Department of Science and Technology, Government of Karantaka organized a online Faculty Development Program from 20th – 24th January 2025.

The lecture was delivered by Dr Ishan Pandey, Scientist-C at DHR-MRU, Moti Lal Nehru Medical College (MLNMC), Prayagraj. Dr Pandey highlighted the transformative role of nanotechnology in revolutionizing drug delivery systems.

Date: 20th January 2025.

Time: 2:00-3:30 PM

Resource Person: Dr Ishan Pandey Scientist-C, DHR-MRU, Moti Lal Nehru Medical College (MLNMC), Prayagraj

Topic: Advanced Nano pharmacology and Innovative Drug Delivery Systems: Exploring the Future of Targeted Therapeutics.









2 Date: 21st January

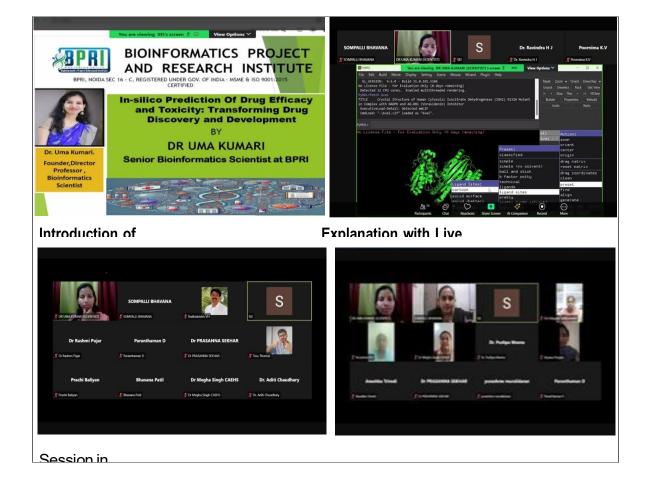
2025. Time: 2:00-3:30

PM

Resource Person: Dr. Uma Kumari (Professor and Senior Bioinformatics Scientist), BPRI (Bioinformatics Research Institute), Noida

Topic: In Silico Prediction of Drug Efficacy and Toxicity: Transforming Drug Discovery and Development

The second technical session of the Five-Day Faculty Development Program was held on 21st January 2025. The session featured Dr. Uma Kumari, Professor and Senior Bioinformatics Scientist at the Bioinformatics Research Institute (BPRI), Noida, as the resource person. The topic of her lecture, "In Silico Prediction of Drug Efficacy and Toxicity: Transforming Drug Discovery and Development," highlighted the critical role of computational tools in modern pharmacology.



3 Date: 22nd January

2025 Time: 2:00-3:30

PΜ

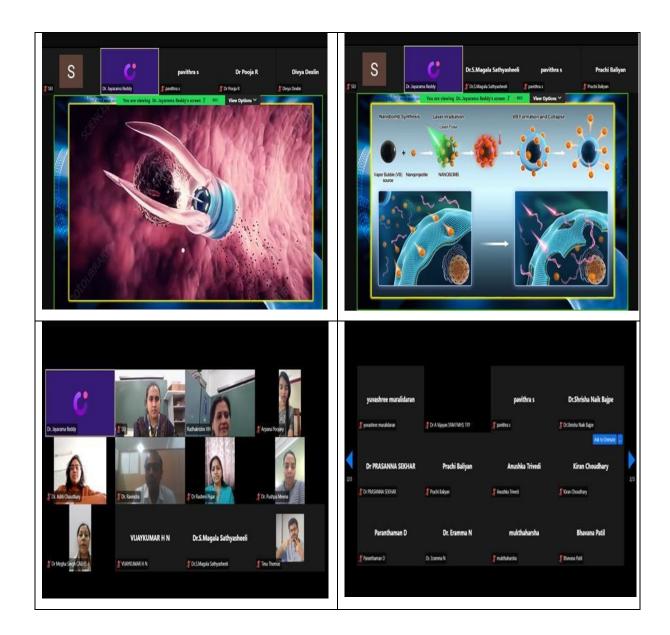
Resource Person: Dr. Jayarama Reddy Professor, Department of Botany, St Joseph's University, Bangalore Bengaluru

Topic: Nanocarriers in Drug Delivery: Innovations and Applications

The third technical session of the Faculty Development Program was conducted on 22nd January 2025 from 2:00 PM to 3:30 PM. The session featured Dr. Jayarama Reddy, Professor from the Department of Botany, St. Joseph's University, Bengaluru, as the resource person. The topic, "Nanocarriers in Drug Delivery: Innovations and Applications," focused on the revolutionary role of nanotechnology in enhancing drug delivery systems.







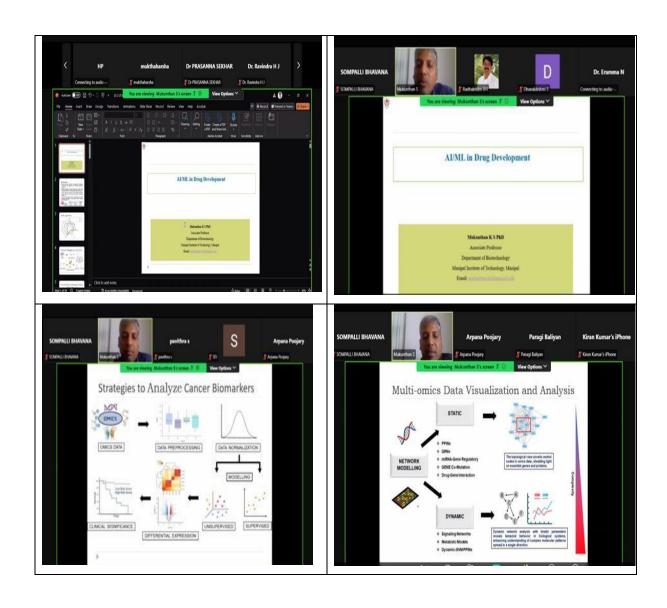
Date: 24th Jan 2025

Time: 2:00-3:30 PM

Resource Person: Dr. Mukunthan K Selvam Faculty Biotechnology, Manipal Institute of Technology, Manipal.

Topic: Al and Machine Learning in Drug Development

The fourth technical session of the Faculty Development Program was held on **24th January 2025** from **2:00 PM to 3:30 PM**. The session was led by **Dr. Mukunthan K. Selvam**, Faculty of Biotechnology at the **Manipal Institute of Technology**, **Manipal**. His topic, "**AI and Machine Learning in Drug Development**," focused on the transformative impact of advanced computational tools in modern pharmacology.





Date: 25th Jan 2025

Time: 2:00-3:30 PM

Resource Person: Dr. Rajesh Ramachandran, Professor, CHRIST University, Bangalore.

Topic: Big Data in Pharmacological Research

On **25th January 2025**, from **2:00 PM to 3:30 PM**, the fifth technical session of the series was conducted on the topic "**Big Data in Pharmacological Research**." The session was led by **Dr. Rajesh Ramachandran**, a distinguished Professor from CHRIST University, Bangalore. Known for his extensive expertise in data-driven research and pharmacology, Dr. Rajesh provided invaluable insights into the evolving role of big data in transforming pharmacological research and its applications.

