



राष्ट्रीय औषधि शिक्षा एवं अनुसंधान संस्थान, हैदराबाद  
National Institute of  
Pharmaceutical Education and Research (NIPER)  
Hyderabad



औषध वभाग  
DEPARTMENT OF  
PHARMACEUTICALS  
सत्यमेव जयते

# Molecule to Medicine

An Innovative Workshop on  
Drug Discovery, Delivery and Development



Drug Discovery > Drug Delivery > Preclinical > Clinical Trial > Approval

Organized By

National Institute of Pharmaceutical Education and Research  
(NIPER), Hyderabad



Date : 29-30 April, 2026  
Wednesday - Thursday



## Chief Patron

Prof. Shailendra Saraf  
Director  
NIPER Hyderabad

## Organising Team

Dr. Jitender Madan  
Dr. Y. V. Madhavi  
Dr. Manoj P. Dandekar

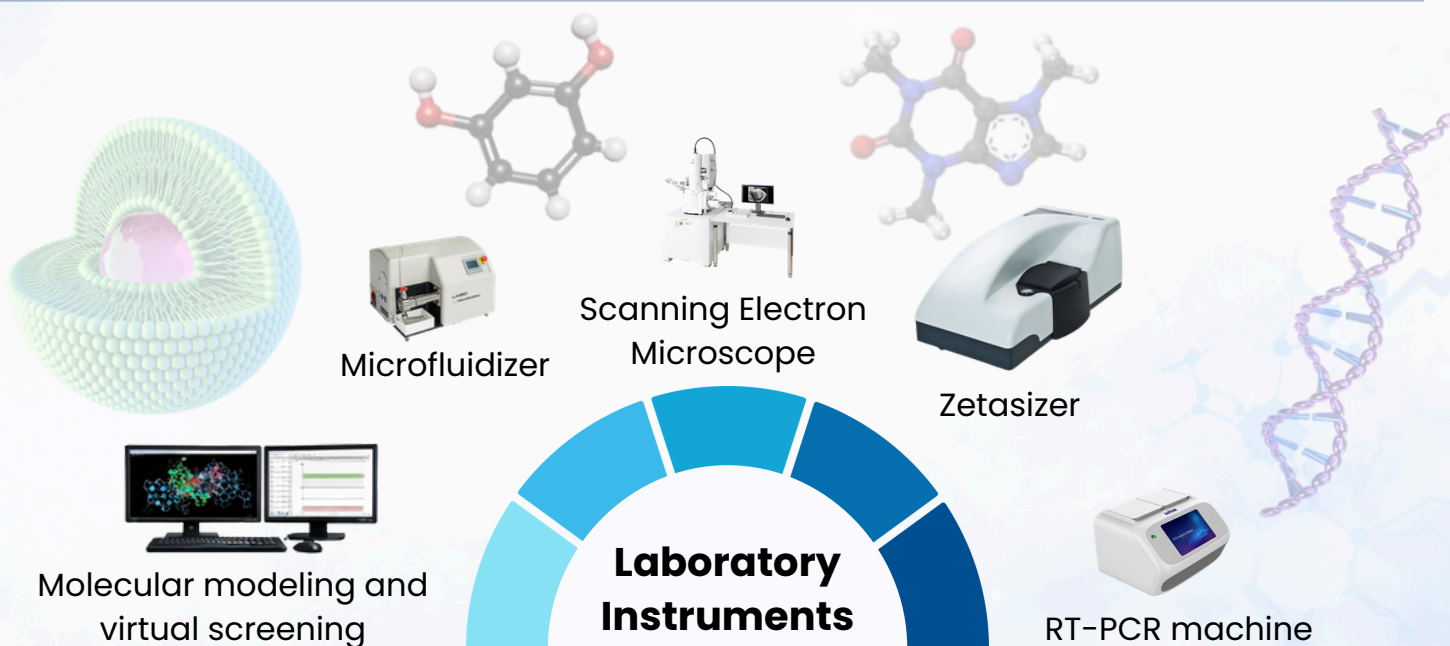


Venue :  
National Institute of Pharmaceutical Education and Research (NIPER)  
Balanagar, Hyderabad, Telangana 500037



### Who can participate ?

All B. Pharmacy, M. Pharmacy, B. Sc, M. Sc, PhD students working in Pharmaceutical Sciences, Chemical Sciences, and Biomedical sciences



## Workshop Highlights

- Molecular modeling
- Virtual screening
- Molecular docking
- AI-driven approaches for target identification
- Chemical and Enzymatic synthesis of lead compounds
- Scanning Electron Microscopy
- Particle size analyzer (Zetasizer)
- Microfluidizer
- High-Performance Liquid Chromatography
- Lyophilizer
- RNA extraction
- cDNA synthesis
- real-time PCR (qRT-PCR)
- Western blotting
- Animal modeling
- Cell Culture

## Call for abstract

The participants are invited to submit abstracts showcasing original research in drug discovery, development, and advanced drug delivery systems. All accepted abstracts will be considered for poster presentation during the workshop. Three Best Poster Awards will be presented to recognize outstanding scientific contributions, innovation, and presentation quality.



## About the institute

National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad is a premier institute of national importance established by the Department of Pharmaceuticals, Ministry of Chemicals and Fertilisers, Govt. of India, New Delhi. NIPER Hyderabad is dedicated to excellence in pharmaceutical education, research, and innovation. The institute offers advanced postgraduate and doctoral programs in various domains of pharmaceutical sciences.



With state-of-the-art infrastructure and strong industry collaborations, NIPER Hyderabad is playing a vital role in bridging academia and industry. NIPER Hyderabad is contributing significantly in developing skilled professionals and advancing healthcare through cutting-edge research and translational outcomes. The faculty of NIPER Hyderabad have made remarkable contributions through research publications, patents, and successful technology transfer initiatives.

## About the workshop

This two-day workshop, scheduled on 29–30 April 2026 at the NIPER Hyderabad, aims to provide a comprehensive understanding of the drug discovery and development process. It will cover key stages such as target identification, chemical and enzymatic synthesis, preclinical evaluation by integrating advanced computational tools like molecular docking and AI-driven approaches. Participants will gain insights into innovative drug delivery systems with special emphasis on polymeric nanoparticles, lipid-based carriers, and controlled release technologies under the umbrella of Quality by Design and Artificial Neural Network. The program also offers hands-on training in molecular biology techniques like qRT-PCR, protein analysis, and laboratory animal handling with ethical considerations. The workshop further addresses translational challenges and regulatory aspects in bringing laboratory research to clinical application. Overall, it fosters interdisciplinary collaboration to accelerate the journey from molecules to medicines.



**Registration Fees :**

- For Students delegate - 1000₹
- For faculty delegate - 1500₹
- For Industry delegate - 2000₹

(Last date : 25 April 2026)



Scan For Payment



**Registration Link** (<https://forms.gle/b2NZAoEXGhvvzbwv5>)



**niperhyd26@gmail.com**



**+91 9769798144**