



3rd ANNUAL WORKSHOP ON DRUG DESIGN & DEVELOPMENT

Organized by:

Experimental Pharmacology Laboratory (EPL), Department of Pharmacology,
PGIMER, Chandigarh, India

In Collaboration with

Academic Society of Pharmacologists of IGIMS (ASPIGIMS) & International Union of Basic & Clinical Pharmacology (IUPHAR)

Program Schedule (28th February Saturday & 1st March, Sunday 2026)

Day-1		
28th February, Saturday		
Registration 8:00 AM Onwards		
Time	Topic	Speaker
09:30 – 09:50 AM	Inauguration Chief Guest: Prof. Dulal Panda (Director: NIPER, Mohali) Guest of Honour: Prof. Y.K. Gupta (President: AIIMS, Kalyani)	
09:50 - 09:55 AM	Welcome Address	Prof. Bikash Medhi Organizing Chairman
09:55 - 10:05 AM	Group Photograph	
10:05 - 10:30 AM	High Tea	
Session-I		
10:30 - 11:15 AM	Ligand-Based Drug Discovery	Prof. PV Bharatam NIPER, Mohali
11:15 - 12:15 PM	Expedited Drug Discovery: Lessons from COVID-19 and India's Emerging Role as Global Pharmacy	Prof. Bikash Medhi PGIMER, Chandigarh
12:15 - 01:00 PM	Multi-Target Novel Molecules Design: Challenges and Way Forward	Dr. Mukul Jain Zydus Research Centre, Gujarat
01:00 - 01:30 PM	Reimagining Drug Discovery in the Era of Advanced Technologies	Dr. Tarun Kumar Sharma, NIPER Mohali
01:30 – 02:00 PM	Lunch	



Session-II

2:00 – 2:30 PM	gmx_cluster By Features: Development of a Feature-Based Conformational Clustering Tool for Molecular Dynamics to Accelerate Drug Design	Dr Rajendra Kumar NIPER Mohali
2:30 – 3:00 PM	Challenges in Clinical Development of Effective Treatments in Interstitial Lung Diseases	Dr Prasanth Rana Head, Medical Operations at Boehringer Ingelheim: Mumbai
3:00 - 5:00 PM	Hands-on Demonstration of Drug Discovery Using Gromacs & GMX_QK tool	Dr Rahul Singh & Team
5:00 PM	High Tea	

Day-2
1st March, Sunday

Session-III

9:00 - 10:00 AM	Institutionalizing Drug Repurposing Pathways for Rare and Neglected Diseases and Post-Pandemic Regulatory Renaissance	Prof. Bikash Medhi PGIMER, Chandigarh
10:00 - 10:30 AM	High Tea	
10:30 - 11:00 AM	Synthesis of Novel Molecule: From Lab to Fab	Dr Deepak B Salunke NIPER Mohali
11:00 - 11:30 AM	Integrating Structural Biology and Biophysics in Drug and Vaccine Discovery: From Mechanism to Therapeutics	Dr. Anthony Addlagatta, CSIR, Hyderabad
11:30 - 12:00 PM	Application of Artificial Intelligence In Drug Discovery	Dr Manoj Kumar NIPER Mohali
12:00 - 12:30 PM	Cheminformatics Tools In Drug Discovery & Validation	Dr. Shamsair Singh Advent Informatics
12:30 - 01:30 PM	No-Man's Land: Grey Areas in Drug Discovery	Dr Ajay Prakash PGIMER, Chandigarh
1:30 - 2:00 PM	Lunch	
02:00 - 2:30 PM	Quiz	Ms. Harminder Kaur Dr Tushar Bhosle
02:30 - 3:00 PM	Valedictory Function	Prof. Michael Spedding: France Secretary General of IUPHAR
03:00 - 05:00 PM	Hands-on Practice Session for Participants	Dr. Rahul Singh & Team