



# Workshop Program Schedule



## “Animal Handling & Experimental Pharmacology”

Organized by Department of Pharmacology

Under aegis of Academic Society of Pharmacologists of Indira Gandhi Institute of Medical Sciences (ASPIGIMS)

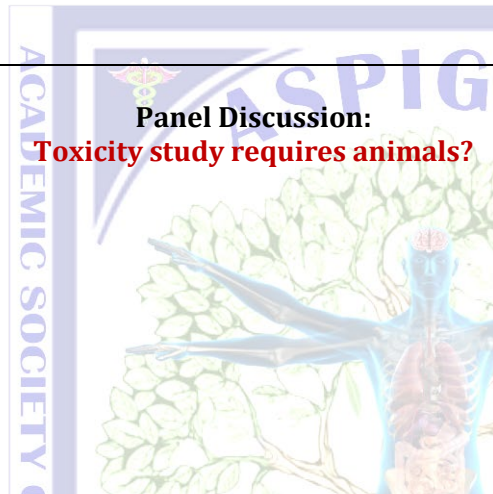
Supported by Bihar Council for Science & Technology (BCST), Govt. of Bihar

Date: 18.10.2024 and 19.10.2024

Venue: Department of Pharmacology, IGIMS, Patna

### Day 1: 18-10-2024

TIME	SESSIONS	RESOURCE PERSONS
8:30-9:00 AM	<b>Registration &amp; Breakfast (Dean Board Room, 2<sup>nd</sup> Floor, Administrative Building, IGIMS)</b>	
9:00-09:20 AM	<p align="center"><b><u>Inauguration of Workshop &amp; Welcome note</u></b></p> <p><b>Patron in Chief:</b> Prof. (Dr.) Bindey Kumar, Director, IGIMS, Patna  <b>Patron:</b> Prof. (Dr.) Om Kumar, Dean, IGIMS, Patna  <b>Patron:</b> Prof. (Dr.) Harihar Dikshit, Prof. Emeritus, Dept. of Pharmacology, IGIMS, Patna  <b>Patron:</b> Prof. (Dr.) B P Sinha, Deputy Director, IGIMS, Patna  <b>Organizing Chairman:</b> Prof. (Dr.) Lalit Mohan, Prof. &amp; Head, Dept. of Pharmacology, IGIMS, Patna  <b>Organizing Secretary:</b> Dr. Manish Kumar, Additional Prof, Dept. of Pharmacology, IGIMS, Patna</p>	
09:20-09:40 AM	<p align="center"><b>Inaugural Lecture:</b></p> <p>Current and Future Prospective of Animal Research in Drug Discovery</p>	<b>Dr. U S Chakradhara Rao,</b> Dept. of Medical Oncology, JIPMER, Pondicherry
09:40-10:00 AM	Committee for Control and Supervision of Experiments on Animals (CCSEA): Rules & Guidelines	<b>Dr. Manish Kumar,</b> Dept. of Pharmacology, Additional Prof., IGIMS, Patna
10:00-10:30 AM	Hands on training to fill the form B (IAEC)	<b>Dr. P. Ramalingam,</b> Associate Prof., Dept. of Pharmaceutical Analysis, NIPER, Hajipur <b>Team:</b> <b>Dr. Manish Kumar,</b> Additional Professor <b>Dr. Pankaj Prabhakar,</b> Scientist I <b>Dr. Manoj Kumar,</b> Veterinary Officer
10:30-11:00 AM	ARRIVE Guidelines	<b>Prof. (Dr.) Umashanker Prasad Keshri,</b> HOD, Dept. of Pharmacology, RIMS, Ranchi
11:00 AM-1:00 PM (Participants will be divided into four groups, and each group will rotate to one of the four stations every 30 minutes)  Venue: Dept. of Pharmacology, 3 <sup>rd</sup> Floor, Medical College Building, IGIMS	<ul style="list-style-type: none"> <li>Rodent biology and Gender identification of laboratory animals, identification of species and strain</li> <li>Identification of animal behavior and common, signs of illness</li> </ul>	<b>Dr. Manoj Kumar,</b> Veterinary Officer, Dept. of Pharmacology, IGIMS, Patna <b>Dr. Amrendra Kumar Arya,</b> Senior Resident, Dept. of Pharmacology, IGIMS, Patna
	<ul style="list-style-type: none"> <li>Handling of Rodents (Mice and Rats), Rabbits, Guinea pigs</li> <li>Demonstration of techniques and instruments for oral feeding (gavage); subcutaneous, intramuscular, and intra- peritoneal administration</li> <li>Demonstration of techniques of collection of blood from tail vein of rats, orbital plexus of rats</li> </ul>	<b>Dr. Pankaj Prabhakar,</b> Scientist I, Dept. of Pharmacology, IGIMS, Patna <b>Dr. Ruhi Bhimseria,</b> PG Student, Dept. of Pharmacology, IGIMS, Patna
	Demonstration of Screening of Anti-inflammatory activity	<b>Dr. Arka Mondal,</b> Assistant Prof., SGT Medical College, Haryana & <b>Dr. Nitu Pandey,</b> PG Student, Dept. of Pharmacology, IGIMS, Patna
	Demonstration of Screening of Effect of Drugs on Wound Healing	<b>Dr. Nitesh Kumar,</b> Assistant Professor, Dept. of Pharmacology & Toxicology, NIPER, Hajipur, Vaishali, Bihar & <b>Dr. Bhawana A. Verma,</b> PG Student, Dept. of Pharmacology, IGIMS, Patna
1:00-2:00 PM	<b>LUNCH (Dept. of Pharmacology, 3<sup>rd</sup> Floor, Medical College Building, IGIMS)</b>	

<p><b>2:00-04:00 PM</b></p> <p>(Participants will be divided into four groups, and each group will rotate to one of the four stations every 30 minutes)</p> <p>Venue: Department of Pharmacology, 3<sup>rd</sup> Floor, Medical College Building, IGIMS</p>	Demonstration of Screening of Antiepileptic Activity	<b>Dr. Sunil Kumar Singh</b> , Associate Prof., Dept. of Pharmacology, AIIMS, Patna & <b>Dr. Rajeev Kumar Niraj</b> , PG Student, Dept. of Pharmacology, IGIMS, Patna
	Demonstration of Screening of Analgesic Activity	<b>Dr. Amritanshu Shekhar</b> , Assistant Professor, Dept. of Pharmacology, NSMCH, Bihta <b>Dr. Pallavi Kumari</b> , DM Student & <b>Dr. Chandani Kumari</b> , PG Student, Dept. of Pharmacology, IGIMS, Patna
	Demonstration of screening of Anti-anxiety Activity	<b>Prof. (Dr.) Lalit Mohan</b> , Prof. & Head, Dept. of Pharmacology, IGIMS, Patna & <b>Dr. Mukesh Kumar</b> , CMO cum Senior Resident, Dept. of Pharmacology, ESICMCH, Bihta, Patna
	Demonstration of Screening of Effect of Drugs on Neuromuscular Coordination	<b>Prof. (Dr.) Manish Kumar</b> , Professor, Dept. of Physiology, IGIMS, Patna & <b>Dr. Chakrapani Kumar</b> , DM Student & <b>Dr. Purnendu Arya</b> , Senior Resident, Dept. of Pharmacology, IGIMS, Patna
<p><b>04:00-05:00 PM</b></p> <p>Venue: Dean Board Room, 2<sup>nd</sup> Floor, Administrative Building, IGIMS</p>	<p><b>Panel Discussion:</b> <b>Toxicity study requires animals?</b></p> 	<p><b>Moderator:</b> <b>Prof. (Dr.) Harihar Dikshit</b>, Dean Academics &amp; HOD, Dept. of Pharmacology, NSMCH, Bihta</p> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>• <b>Prof. (Dr.) N R Biswas</b>, Vice Chancellor, Sri Balaji Vidyapeeth, Pondicherry</li> <li>• <b>Prof. (Dr.) Bikash Medhi</b>, Professor, Dept. of Pharmacology, PGIMER, Chandigarh</li> <li>• <b>Prof. (Dr.) Ranjit Guha</b>, Principal, IGIMS, Patna</li> <li>• <b>Prof. (Dr.) Rakesh K. Dixit</b>, HOD, Dept. of Pharmacology, KGMU, Lucknow, U.P.</li> <li>• <b>Dr. U S Chakradhara Rao</b>, Dept. of Medical Oncology, JIPMER, Pondicherry</li> </ul>
<b>Day 2: 19-10-2024</b>		
<b>TIME</b>	<b>SESSIONS</b>	<b>RESOURCE PERSONS</b>
<b>8:30-9:00 AM</b>	<b>Breakfast (Dept. of Pharmacology, 3<sup>rd</sup> Floor, Medical College Building, IGIMS)</b>	
<b>9:00-9.30 AM</b>	How to calculate LD <sub>50</sub>	<b>Dr. Pramod Kumar Majhi</b> , Associate Prof., HOD, Dept. of Pharmacology, AIIMS, Patna
<p><b>9:30 AM-12:30 PM</b></p> <p>(Participants will be divided into four groups, and each group will rotate to one of the four stations every 45 minutes)</p>	Demonstration of Experimental Set-Up for Bioassay & Calculation from Physical Graph	<b>Dr. Sukalyan Saha Roy</b> , Associate Prof., Dept. of Pharmacology, IGIMS, Patna <b>Dr. Nidhi Kumari</b> , Senior Resident & <b>Dr. Rinky Thakur</b> , DM Student, Dept. of Pharmacology, IGIMS, Patna
	Demonstration of Bioassay of Histamine by Three Point Assay Method and Calculation of PD <sub>2</sub> & PA <sub>2</sub> using Computer Assisted Learning (CAL)	<b>Dr. Adil Ali Shakur</b> , Assistant Prof., Dept. of Pharmacology, IGIMS, Patna & <b>Dr. Saajid Hameed</b> , DM Student, <b>Dr. Ravi Raushan</b> , PG Student, Dept. of Pharmacology, IGIMS, Patna
	Demonstration of effects of drugs on HR & BP of Dog using Computer Assisted Learning (CAL)	<b>Prof. (Dr.) Hitesh Mishra</b> , Prof., Dept. of Pharmacology, IGIMS, Patna <b>Dr. Raushan K. Ranjan</b> , Senior Resident, <b>Dr. Noor Husain</b> , DM Student & Dept. of Pharmacology, IGIMS, Patna
	Demonstration of Soxhlet and other related apparatuses	<b>Dr. Manish Kumar</b> , Additional Prof., Dept. of Pharmacology, IGIMS, Patna & <b>Dr. Keshav Kumar</b> , DM Student, Dept. of Pharmacology, IGIMS, Patna
<b>12:30-01:00 PM</b>	Regulatory toxicities studies for IND applications	<b>Prof. (Dr.) Bikash Medhi</b> , Professor, Dept. of Pharmacology, PGIMER, Chandigarh
<b>01:00-02:00 PM</b>	<b>Lunch (Dept. of Pharmacology, 3<sup>rd</sup> Floor, Medical College Building, IGIMS)</b>	
<b>02:00-03:00 PM</b>	<b>Poster Presentation (Dept. of Pharmacology, 3<sup>rd</sup> Floor, Medical College Building, IGIMS)</b>	
<b>03:00-04:00 PM</b>	<b>Valedictory, Concluding Remarks &amp; Certificate Distribution</b>	