



Department of Pharmacology & Therapeutics Seth GS Medical College & KEM Hospital, Mumbai

Presents

PHARMATECH - 2025

*Glimpses of Pharmacology:
Preclinical to Real World Evidence*

Invitation

Dear Colleagues,

As a part of our institution's centenary celebrations, we are delighted to announce the 13th PHARMATECH workshop for postgraduate students and junior faculty in pharmacology. The theme of PHARMATECH-2025 is 'Glimpses of Pharmacology: Preclinical to Real World Evidence'.

Pharmacology continues to evolve dramatically from foundational preclinical research to the integration of Real World Evidence and Artificial Intelligence; transforming clinical decision-making and patient care.

PHARMATECH-2025 aims to cover the important topics from drug development to recent advances and artificial intelligence in pharmacological research.

This workshop presents an exceptional opportunity for postgraduate students to deepen their knowledge, connect with experts and engage in discussions on the future of pharmacology.

You are cordially invited to join us for this enriching academic feast.
Stay tuned for the detailed program schedule.

**With Regards,
Organising Committee**





Organising Committee

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Patrons

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Dean



Dr. Harish Pathak
Academic Dean



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Professor Emeritus



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Dr. Sandhya Kamat
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Dr. Raakhi Tripathi
Associate Professor



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Scientific



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Registration & Reception



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Group Tasks



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Catering



Dr. Paresh Koli
**Auditorium Management &
MMC Credits**

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Members of Organising Committee

Scientific

Dr. Bakul Naik
Dr. Jagriti Jha
Dr. Sabyasachi Mishra
Dr. Shubikshana G

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Dr. Achal Sukhdeve
Dr. Aayush Gupta
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Dr. Avanti Kajrolkar

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Dr. Laxmi Hotkar
Dr. Jay Maradia
Dr. Hanna Fatima VH
Dr. Priyam Gogri

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Dr. Urjita Kapadia
Dr. Jaanvi Sharma

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Dr. Mangesh Kurude

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Dr. Samruddha Kulkarni
Dr. Chitransh Gayakwad

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Workshop Modules

Module 1 (VIRTUAL) 23rd to 26th September	12.00 pm to 5.00 pm	Preclinical Research & Statistics
Module 2 (OFFLINE) 6th to 8th October	9.00 am to 5.00 pm	Clinical Research & Drug Development-I
Module 3 (OFFLINE) 9th to 11th October	9.00 am to 5.00 pm	Clinical Research & Drug Development-II

Salient Features

1. Experienced speakers from industry and academia who are Seth GSMC & KEMH Alumni.
2. Video demonstrations of animal models (Module 1).
3. Hands-on training in literature search, protocol writing & statistics.
4. Group tasks on key topics.
5. Meet the experts from pharmaceutical industry (Module 2 & 3).
6. Visit to a BA/BE Centre and Research and Development Centre (Module 3).





Program Highlights

Module 1 : Preclinical Research & Statistics

- Role of Preclinical Models in Predicting Human Outcomes
- AI in Drug Discovery
- Inferential Statistics
- Survival Analysis: Clinical Relevance
- How to Conduct a Meta-Analysis & Systematic Review
- Video Demonstrations of Animal Models

Module 2 : Clinical Research & Drug Development-I

- Clinical Study Designs including Adaptive Study Design
- Selection of End Points & Estimands in Clinical Trials
- Implementation of Clinical Trials
- Decentralised Clinical Trials
- Evidence Based Medicine: Assessing Evidence from Literature
- Pharmacoeconomics & Outcomes Research
- Advanced Good Clinical Practice

Module 3 : Clinical Research & Drug Development-II

- Real World Generated Evidence
- Promotional Literature and Drug Promotional Practices
- Phase I - IV Clinical Trials
- Biologics : Development and Clinical Application
- Medical Affairs - Scope for Innovation
- Visit to BA/BE Centre and Research and Development Centre
- Protocol Presentation by Participants

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Registration Fees

Date	Amount
Early Bird Registration till 15 th June 2025	Rs. 14000/- for all the 3 modules
Registration from 16 th June to 31st July 2025	Rs. 18000/- for all the 3 modules
Registration from 1 st August 2025 onwards	Rs. 22500/- for all the 3 modules

Registration fees for individual modules are Rs. 7500/- per module.
There is NO spot registration.

Contact Us

Email : pharmatechkem2025@gmail.com

Mobile No.- 9082290757

Monday to Friday - 9.00 am to 4.30 pm

Saturday- 9.00 am to 1.00 pm

[Click here to Register Now!](#)



PHARMATECH-2025

Glimpses of Pharmacology: Preclinical to Real World Evidence

Scientific Programme

Module 1 (Virtual)

Preclinical Research and Statistics

Tuesday, 23rd September 2025 to Friday, 26th September 2025

23rd September (Tuesday) – Day 1 Virtual

Time	Session	Speaker
12.00 PM - 12.30 PM	Introduction to Module 1	Dr. Raakhi Tripathi
12.30 PM - 1.30 PM	Role of Preclinical Models in Predicting Human Outcomes	Dr. Nirmala Rege
1.30 PM - 2.00 PM	Lunch break	
2.00 PM - 2.45 PM	Toxicity Testing in the 21st Century: Perspectives and Challenges	Dr. Hari Narayan Rao
2.45 PM-4.30 PM	Data Types, Data Summarization and Sample Size Calculation (with group tasks)	Dr. Raakhi Tripathi

24th September (Wednesday) - Day 2 Virtual

Time	Session	Speaker
11.30 AM - 12.15 PM	Alternatives to Animal Testing : Newer Paradigms of Non-Clinical Drug Development	Dr. Ajit Dash
12.15 PM - 1.00 PM	Preclinical Imaging in Drug Discovery	Dr. Sanket Raut
1.00 PM - 1.45 PM	Lunch Break	
1.45 PM - 3.45 PM	Video Demonstration of preclinical models – I <ol style="list-style-type: none"> 1. Centre for Animal Studies, CNS and Experimental laboratories, Pharmacology Research Laboratories & Multidisciplinary Research Unit 2. Video Tracking Software Demonstration of Elevated Plus Maze and Morris Water Maze 3. Post-traumatic Stress Disorder Model in Golden Syrian Hamsters 4. A Model of Dextran Sodium Sulfate (DSS) Induced Chronic Colitis in Swiss Albino Mice 5. Complete Freund's Adjuvant (CFA) induced model of Rheumatoid Arthritis in Wistar Rats 	Department of Pharmacology & Therapeutics, Seth G.S. Medical College and K.E.M. Hospital, Mumbai.
3.45 PM- 4.45 PM	Inferential Statistics (with group tasks)	Dr. Saurabh Patil

25th September (Thursday) – Day 3 Virtual

Time	Session	Speaker
12.00 PM - 1.30 PM	Ethical Issues in Preclinical Research and Publishing Animal studies (with group tasks)	Dr. Sandhya Kamat & Dr. Shruti Bhide
1.30 PM - 2.00 PM	Lunch Break	
2.00 PM - 4.15 PM	Video demonstration of preclinical models – II <ol style="list-style-type: none"> 1. Chick Chorioallantoic Membrane (CAM) assay 2. Effect of Drugs on Aging in Drosophila 3. Stereotactic Model of Parkinson's Disease 4. Pentylene-tetrazole induced Kindling Model of Epilepsy in Rats 5. Model of Ovulation Induction 	Department of Pharmacology & Therapeutics, Seth G.S. Medical College and K.E.M. Hospital, Mumbai.
4.15 PM - 5.00 PM	Survival Analysis – clinical relevance	Dr. Kritarth Singh

26th September (Friday) – Day 4 Virtual

Time	Session	Speaker
12.00 PM - 1.30 PM	Effective Literature Search and Selecting a Journal for Publication (with group tasks)	Dr. Paresh Koli
1.30 PM - 2.15 PM	Lunch Break	
2.15 PM - 3.45 PM	How to Conduct Meta-analysis and Systematic review (with group tasks)	Dr. Sudeep Shah
3.45 PM - 4.00 PM	Instructions for Ice Breaking in Offline Session	Dr. Raakhi Tripathi
4.00 PM - 4.45 PM	Artificial Intelligence in Drug Discovery	Dr. Manoranjan D'souza
4.45 PM - 4.50 PM	Concluding Remarks	Dr. Raakhi Tripathi

PHARMATECH-2025

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Scientific Programme

Module 2 (Offline)

Clinical Research and Drug Development - I

Monday, 6th October 2025 to Wednesday, 8th October 2025

Monday - 6th October-Day 1 Offline

Time	Session	Speaker
8.00 AM- 9.00 AM	Registration with Breakfast	
9.00 AM- 9.30 AM	Inauguration	
9.30 AM-10.30 AM	“Dr. U. K. Sheth Oration” - “Evolving role of a pharmacologist - from Bench to Bedside”	Dr. Sadhna Joglekar
10.30 AM- 10.45 AM	Tea Break	
10.45 AM- 12.15 PM	Ice Breaking Session	Participants of PHARMATECH
12.15 PM- 1.00 PM	Introduction to Protocol Writing	Dr. Saket Ghaisas
1.00 PM- 1.45 PM	Lunch Break	
1.45 PM-3.15 PM	Clinical Study Designs including Adaptive Study Designs (with group tasks)	Dr. Sanish Davis
3.15 PM- 3.30 PM	Tea Break	
3.30 PM- 4.30 PM	End points for clinical trials	Dr. Jaideep Gogtay
4.30 PM - 4.45 PM	Instructions for group task on Protocol writing	Dr. Padmaja Marathe

Tuesday, 7th October - Day 2 Offline

Time	Session	Speaker
8.00 AM- 9.00 AM	Breakfast	
9.00 AM-10.00 AM	Early Phase Drug Development- Principles, Conduct and Recent Advances	Dr. Nithya Gogtay
10.00 AM-10.45 AM	Phase II to Phase IV Clinical Trials: Implementation (with AI applications) (with group tasks)	Dr. Neeraj Markandeywar
10.45 AM-11.00 AM	Tea Break	
11.00 AM-12.30 PM	Phase II to Phase IV Clinical Trials: Implementation (with AI applications) (with group tasks)	Dr. Neeraj Markandeywar

12.30 PM-1.30 PM	Decentralized Clinical Trials	Dr. Santosh Taur
1.30 PM-2.15 PM	Lunch Break	
2.15 PM- 3.15 PM	Clinical Trials of Medical Devices - Differences with Drugs and Indian Context	Dr. Anish Desai
3.15 PM- 3.30 PM	Tea Break	
3.30 PM- 4.00 PM	Meet the Expert -1	Dr. Aditi Pusalkar-Apte
4.00 PM- 4.30 PM	Meet the Expert -2	Dr. Swapna Bolegave

8th October, Wednesday - Day 3 Offline

Time	Session	Speaker
8.00 AM- 9.00 AM	Breakfast	
9.00 AM- 10:30 AM	Advanced Good Clinical Practices (with case scenarios)	Dr. Padmaja Marathe, Dr. Sharmila Jalgaonkar and Dr. Yashashri Shetty
10.30 AM- 10.45 AM	Tea Break	
10.45 AM- 11.30 AM	New Drugs and Clinical Trial Rules, 2019: Challenges in the Interpretation and Implementation	Dr. Somesh Bolegave
11.30 AM- 1.00 PM	Evidence based Medicine: Assessing Evidence from Literature (with group tasks)	Team Leader -Dr. Vyankatesh Shivane, Dr. Milind Tullu, Dr. Dhiraj Kumar, Dr. Anup Thorat, Dr. Divya Bajpai
1.00 PM- 1.45 PM	Lunch Break	
1.45 PM- 3.15 PM	Health Economics and Outcomes Research: Current and Future Use in Healthcare	Dr. Shalini Menon
3.15 PM- 3.30 PM	Tea Break	
3.30 PM- 4.15 PM	Pharmacovigilance: Global Perspective and Indian Scenario	Dr. Rajani Rokade
4.15 PM- 4.45 PM	Meet the Expert -1	Dr. Rishi Jain Dr. Anup Thorat
4.45 PM- 5.15 PM	Meet the Expert -2	Dr. Aamir Shaikh

Module 3

Advanced Clinical Research and Drug Development

9th October 2025 to 11th October 2025

9th October, Thursday - Day 4 Offline

Time	Session	Speaker
8.00 AM- 9.00 AM	Breakfast	
9.00 AM- 9.45 AM	Real World Generated Evidence- Growing Influence in Regulatory Decision Making	Dr. Hardik Pathak
9.45 AM- 10.30 AM	Pharmacogenomics and Personalized Medicine	Dr. Renuka Munshi
10.30 AM- 10.45 AM	Tea Break	
10.45 AM- 12.15 PM	Promotional Literature and Ethical Drug Promotional Practices (with group tasks) and UCPMP Guidelines	Dr. Rajesh Naik
12.15 PM- 1.00 PM	Implementation and Challenges in Risk- based Monitoring	Dr. Sonali Karekar
1.00 PM- 1.45 PM	Lunch Break	
1.45 PM- 2.45 PM	Biologics: Development, Clinical Application and the Role of Medical Affairs	Dr. Harshveer Singh Malhi
2.45 PM- 3.30 PM	Accessible and Translational AI in Clinical Research	Dr. Kshitij Jadhav
3.30 PM- 3.45 PM	Tea Break	
3.45 PM-4.30 PM	Medical Affairs - Is there a Scope for Innovation?	Dr. Ravi Mehta
4.30 PM-5.00 PM	Meet the Expert-1	Dr. Anirudhha Potey
5.00 PM-5.30 PM	Meet the Expert-2	Dr. Suchita More

10th October, Friday - Field Visit; Day 5 Offline

Time	Activity
8.00 AM- 9.30 AM	Breakfast Travel to Glenmark Research Centre and Sitec Labs

9.30 AM- 1.00 PM	Visit to Glenmark Research Centre (Group 1,2) Visit to Sitec Labs (Group 3,4)
1.00 PM- 2.00 PM	Lunch and travel to next centre
2.00 PM- 5.30 PM	Visit to Glenmark Research Centre (Group 3,4) Visit to Sitec Labs (Group 1,2)

11th October, Saturday - Day 6 Offline

Time	Session	Speaker
8.00 AM- 9.00 AM	Breakfast	
9.00 AM- 11.00 AM	Protocol writing group tasks – 1 Diabetes Mellitus protocol presentation by participants	Clinical expert: Dr. Tushar Bandgar Industry expert: Dr. Shalini Menon
11.00 AM- 11.30 AM	Tea break	
11.30 AM- 1.30 PM	Protocol writing group tasks – 2 Heart Failure protocol presentation by participants	Clinical expert: Dr. Dhiraj Kumar Industry expert: Dr. Abhishek Mane
1.30 PM-2.00 PM	Valedictory function and Lunch	