



## About MAHE

Manipal Academy of Higher Education (MAHE) is synonymous with excellence in higher education. Over 28,000 students from 57 different nations live, learn and play in the sprawling University town, nestled on a plateau in Karnataka's Udupi district. MAHE has nearly 2500 faculty and almost 10000 other support and service staff, who cater to the various professional institutions in health sciences, engineering, management, communication and humanities.

## About MCOPS

Manipal College of Pharmaceutical Sciences (MCOPS), a 60-year-old institution, is a behemoth among colleges offering programs in pharmaceutical sciences in the country. MCOPS is known for quality in academics, research and extracurricular activities. The institution continues on its onward journey, true to its slogan - Marching with the Times.

## About KMC

Kasturba Medical College (KMC), Manipal, has consistently been ranked among the top ten medical colleges in the country. The institute's vision is to provide global leadership in human development, excellence in education and healthcare with a mission to train competent, compassionate and caring physicians through excellence in teaching, patient care, and medical research.

## About MSLS

Manipal School of Life Sciences (MSLS) is actively promoting advanced research in India and abroad, supported by the Government of India agencies and other industry partners. The institute is thriving on the excellent research faculty, facility, and resources; aiming to become the nation's number one research and learning centre.

## About the Workshop

The workshop intends to provide an overview of translational science through a multidisciplinary and multi-institutional integrated learning approach with an objective of equipping the researchers to integrate information from multiple domains and conduct independent and team-oriented research that is scientifically sound, ethical, culturally adaptive and contribute to improve the human and global health.

## Who can attend

- Students pursuing post graduate degree (MSc/MPharm/PharmD/MD/MS) working in the relevant area of specializations.
- PhD/Research Scholars in any discipline of biological sciences (Health Sciences, Life Sciences, Biotechnology, Biochemistry, Microbiology, Pharmacy, Genetics) working in the relevant area of specializations.

## Topics Covered

- Introduction to Precision Oncology
- Basics of DNA, RNA, Protein Synthesis
- Pharmacometrics in precision oncology
- Epigenetics & Proteomics
- SWOT analysis of implementing precision oncology in clinics
- Use of artificial intelligence and machine learning in precision radiation oncology
- Financial toxicities with precision oncology
- Hands on training on DNA, cfDNA extraction, real time PCR, Phoenix WinNonlin software for Pharmacometrics, Cancer omics & cBioPortal and UALCAN
- Next generation sequencing demonstration

## Registration and Guidelines

- The participants will be shortlisted based on first come first serve basis and on relevance of the workshop to their area of research.
- The registration is FREE.
- Number of participants is restricted to 25.
- Only selected candidates will be informed by email; therefore, candidates must provide valid email IDs while registering online.
- No accommodation will be provided.
- To apply, please fill the google form. Upload the following documents (PDF version) in the Google form.
  1. Scanned application form.
  2. No objection certificate

## Workshop Assessment and feedback

- The participant will receive the workshop completion certificate after active participation in lectures and discussion/interaction sessions, as well as a basic level evaluation.
- An anonymous course feedback shall be taken in the stipulated format.

## More information can be obtained from: :

[www.manipal.edu](http://www.manipal.edu)

<https://manipal.edu/kmc-manipal/about-kmc.html>

<https://manipal.edu/mcops-manipal.html>

<https://manipal.edu/sls-manipal.html>