



Manipal School of Life Sciences, Manipal
and
Institute of Bioinformatics, Bengaluru
Organise
One Day Symposium on

Omics Technologies in Understanding Health and Disease

About the symposium: *Omics* encompass a suite of high throughput technologies complemented by computational tools to better understand intricate molecular interactions and biological processes. Various high-end techniques such as liquid chromatography – mass spectrometry, next generation sequencing and nuclear magnetic resonance coupled with artificial intelligence & machine learning platforms has led to the exponential growth of the field of *Omics*. Epigenomics, genomics, single – cell transcriptomics, spatial transcriptomics, glycomics, fluxomics, proteomics and metabolomics are the major omics technologies facilitating understanding various human pathologies including infectious diseases, endocrine disorders, cancers, cardiovascular complications, neurological disorders, autoimmune and genetic diseases. Hence, outcome of aforementioned technologies have led to development of novel bio-signatures with therapeutic, diagnostic and prognostic potential and further enable for precision medicine.

This one day symposium comprises series of lectures from MAHE and IOB researchers to provide insights into *OMICs* technologies and their relevance in understanding disease processes. The symposium will create a platform for fostering collaborations between MAHE and IOB researchers.

Target Audience : Faculty, Research Scholars and Students

Date : 17.01.2024

Time : 09:30 AM – 04:30 PM

Venue : Auditorium, MSLS Annex

Registration Fee : 500 INR

Click and Register

<http://tinyurl.com/m3rt7s7w>

**Director & Faculty
MSLS, MAHE, Manipal**

**Director & Faculty
IOB, Bengaluru**