## About Frontier Mediville

Frontier Mediville, India's first SEZ Medical Science Park in India, developed by Frontier Lifeline Hospital & Dr. K. M. Cherian Heart Foundation, has been recognized as the "Knowledge Cluster" of India by academicians and students. This integrated healthcare park, spanning 360 acres, is being developed as a one-stop solution for Healthcare, Education, Training, Basic Research and Contract Research Outsourcing activities.

The Centre offers several academic programs in affiliation with some of the top Universities in India like The Tamil Nadu Dr. M. G. R. Medical University, University of Madras and Pondicherry University. It also has collaborations with many International organizations.

### Registration fees

| | |
|---|---|
| For students | – Rs 1,000/- |
| Faculty / Clinicians | – Rs 1,500/- |
| Industry | – Rs 2,000/- |


**Organizing secretary**
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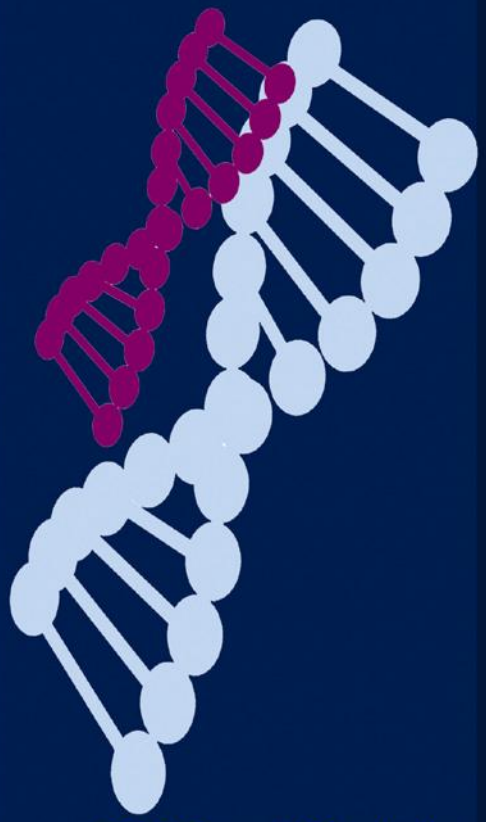
# FRONTIER MEDIVILLE

*Promoted by*

**Dr. K.M.Cherian Heart Foundation**



# Genomics for Personalised & Precision Medicine

*CME and Workshop on the concept and application of genomics in clinical medicine*

Date: Saturday - 6th June, 2015

Frontier Mediville '*Flamingo*' Auditorium

## Aim:

The aim of the workshop is to sensitize clinicians on the application of genomics in clinical setting.

## Background and Significance:

Genomic technologies have been progressing at break- neck speed in the recent years, with newer applications being developed almost every day. Many of these advances have undeniably accelerated our understanding of human disease biology with implications in better molecular characterization of diseases. In recent years, advances in Next Generation Sequencing (NGS) technologies have enabled a significant reduction in the cost of nucleotide sequencing. These together have signaled a significant change in the way we practice medicine.

A large number of molecular datasets including genomic data needs to be integrated in the clinic for precise diagnosis and to be able to predict prognosis for a patient. It has become necessary that clinicians keep abreast of these developments and be equipped to implement it in their clinical practice. The workshop attains significance in this backdrop and provides a conceptual understanding of the spectrum of applications encompassing genomic medicine.

## Who should attend ?

Clinicians, Clinical Geneticists, Medical Students and researchers interested in genomics and clinical application of genomics.

## Programme overview:

* Molecular Biology and Genomics concepts for clinical research.
* Single Nucleotide Polymorphisms (SNP), Genome Wide Association Studies (GWAS) and its application in clinical research.
* Concept and overview of nucleotide sequencing technologies and introduction to Personal Genomics.
* Exome and Genome sequencing for diagnosis of Rare Genetic Diseases.
* Application of Genomics in Clinical Microbiology.
* Patient education, rights, informed consent and ethics in clinical genomics.
* Group Discussion on Genomic Scientists and Clinicians, what they expect from each other and how can they collaborate ?

## Faculty:

*Dr. Sridhar Sivasubbu , IGIB, New Delhi*
*Dr. D Bharadwaj, IGIB, New Delhi*
*Dr. Vinod Scaria, IGIB, New Delhi*
*Dr. K Thangaraj , CCMB, Hyderabad*
*Dr. A J Pandian, Sankara Nethralaya, Chennai*
*Dr. Priya Chockalingam, Cardiac wellness institute, Chennai*
*Dr. B Kar , MMM hospital, Chennai*
*Mr. Satish Gudimallam, SNBL, Bangalore*
*M/S Premas Biotech , New Delhi*

***Patrons - Special Economic Zone(SEZ), Goverment of India.***

## About the GUaRDIAN Consortium

**The Genomics for Understanding Rare Diseases India Alliance Network (GUaRDIAN) is a collaborative research network towards understanding the genetic basis and molecular mechanisms of rare genetic disorders using advanced genomic technology. We use the advanced sequencing technologies, extensive bioinformatics and animal models towards understanding and modeling rare genetic diseases.**

*URL: http://guardian.meragenome.com*


GUaRDIAN

Genomics for Understanding Rare Diseases India Alliance Network