



### Short Term Training Microarray Technology (Basic)

#### **What participant should know ?**

- Structure and function of DNA
- Central Dogma of molecular biology
- Basic knowledge of microarray

#### **Module:** Microarray Technology ( Basic)

- Introduction of Microarray Technology
- Technical aspects and role of Affymatrix Fluidic Station
- Technical aspects and role of Agilent Scanner
- Technical Aspects and role of Hybridization oven
- Isolation and purification of mRNA
- Preparation & Amplification of cDNA
- Labelling of cDNA by cy3 & cy5
- Fragmentation of cDNA
- Hybridization of cDNA into Gene Chip
- Scanning of hybridized Oligo
- Data Analysis & Interpretation

**Duration:** 30 Days from date of joining

**Eligibility:** Masters or Bachelors from Life Science / Pharma ( Studying or Passed out)

**Service Charge:** Rs 12,000/-

**Duration:** One Month