



**Dr. Jamshaid Ali**  
Deputy General Manager

# INTRODUCTION TO MICROBIOME / METAGENOME DATA ANALYSIS

## 1 INTRODUCTION TO METAGENOMICS

- 1 What is Next Generation Sequencing (NGS)?  
What is Metagenomics ?  
16S Metagenomics  
Whole genome shotgun metagenomics

## 2 INTRODUCTION TO MICROBIOME/METAGENOME ANALYSIS

- 2 What is Microbiome ?  
Metagenomic insights of human gut microbiome  
Important softwares and tools for metagenome and microbiome analysis  
Basic introduction to QIIME for microbiome analysis

## 3 HANDS ON SESSION

- 3 Installation of QIIME  
Hand on session for small data sets for  
metagenome/microbiome analysis using MG-  
RAST and/or QIIME

**27 JUNE 2024**  
**09:30 AM - 03:30 PM**

**VIRTUAL**



## SCHEDULE

09:30 AM  
**INTRODUCTION TO RGCB**

09:40 AM - 10:45 AM  
**INTRODUCTION TO METAGENOMICS**

11:00 AM - 01:30 PM  
**INTRODUCTION TO MICROBIOME/  
METAGENOME ANALYSIS**

01:30 PM - 02:30 PM  
**LUNCH BREAK**

02:30 PM - 03:30 PM  
**HANDS-ON TRAINING**

## FEES

**750 INR**  
For students and Academicians

**2500 INR**  
Non-Academics

**100 \$**  
For foreign participants

**REGISTER NOW**



### CONTACT DETAILS

Coordinator, Bioinformatics Facility,  
Rajiv Gandhi Centre for Biotechnology (RGCB)  
Cheruvakkal Village office road, Aakkulam, TVPM, Kerala 695011

 [bionfo@rgcb.res.in](mailto:bionfo@rgcb.res.in)

 [www.rgcb.res.in](http://www.rgcb.res.in)