RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY (RGCB)

RGCB
DISCOVERIES FOR A BETTER TOMORROW

Bioinformatics facility (Training and Services)

Introduction To Next Generation Sequencing Data Analysis

ONE DAY WORKSHOP

Jamshaid Ali, PhD
Deputy General Manager

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1 — **Introduction to Next Genration Sequencing (NGS)**

What is NGS?
Brief overview of applications of NGS

2 — **Important and Commonly Used Softwares /Tools In NGS**

Introduction to aligners (BWA, bowtie, tophat, STAR etc) Different formats (FASTQ), SAM/BAM. GTE/GFF ets)
How to use galaxy?

3 — **Hands on Session**

Basic exercises related to quality check of raw data & adapter trimming with in depth discussion on various parameters of quality check.

📅 **30 - April - 2024**

SCHEDULE

9:30 am
Introduction to RGCB

9:40 am - 11:00 am
Introduction to Next Generation Sequencing (NGS)

11:10 am - 1:00 pm
Important and commonly used software's/tools in NGS analysis

2:00 pm - 3:30 pm
Hands-on Training

MODE: VIRTUAL

FEES

750 INR for Students and Academiciar
2500 INR for Non-Academies
100 $ for Foreign Participants

Register | **More Info**

Contact Details: coordinator, Bioinformatics Facility,
Rajiv Gandhi Centre for Biotechnology (RGCB),
Cheruvikkal Village office road, Aakkulam, TVPM, Kerala 695011

✉ **bionfo@rgcb.res.in**