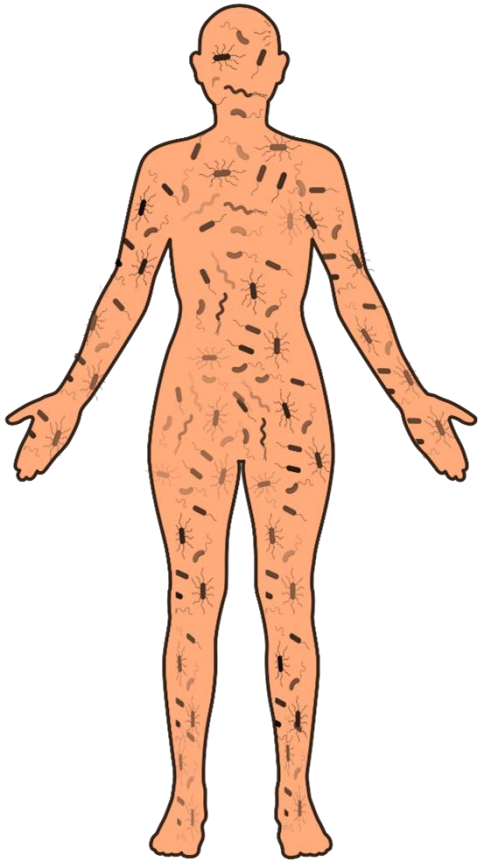




SERB High-End Workshop Karyashala, 22nd-29th July, 2024

National Workshop on Human Metagenomic Sequencing Data Analysis: Emphasis on Health and Disease



Overview:

The field of Human Microbiome research is rapidly advancing, offering valuable insights into its crucial role in human health and disease. With the advent of high-throughput multi-omics platforms, large-scale data generation has become a reality, presenting exciting opportunities and challenges. To effectively analyze such vast and complex datasets and derive valid inferences regarding host-microbiome interactions in different clinical conditions, specialized training in efficient statistical and computational algorithms is essential. The present hands-on workshop serves as a timely initiative to address these critical aspects. By focusing on hands on training and learning, it aims to develop a multi-dimensional host-microbiome research environment in India.

Apply by 2nd July

The number of participants are restricted to 25

Who Can Apply?

Applicants undergoing Ph.D. in the disciplines of life-sciences and allied disciplines (metagenomics, genomics, genetics, microbiology, biotechnology etc.) from Indian Institutes/Colleges/Universities can apply. Clinicians are also encouraged to apply.

Registration Fee: 1000 INR

Applicants should produce “no objection certificate” from the Institute/HOD

Residential workshop. Boarding, shared lodging and limited transportation (train fare according to GOI rule) will be provided.

Organizer: Dr. Souvik Mukherjee, Associate Professor, BRIC-NIBMG

<https://www.nibmg.ac.in/p/people?id=24>

www.linkedin.com/in/souvik-mukherjee-9bb815270

Use the QR Code to apply



Or, apply using the following link

<https://forms.gle/oq3T45ky2Ah3SJVx7>

Topics

Introduction to Unix and R

Shotgun Metagenomics data analysis

Sessions on Meta-analysis, Maternal and Child Health

Formulating Research Questions and Study Design in Human Microbiome Studies

16S analysis based on R and QIIME2

Statistics and Data Visualisation

Focused sessions on Antimicrobial Resistance