

DEPARTMENT OF MICROBIOLOGY

ANALYTICAL TECHNIQUES IN BACTERIAL GENOMICS

Objective

To train the students with hands on experience on the basic and advanced concepts of genomics which involves- Bacterial transformation, Southern hybridization and Genomics data analysis using bioinformatics tools.

Resource Person & Coordinators

Dr. Vemula Vani

Mrs. Soumya Shanbhag

Dr. Nimitha Venugopal C

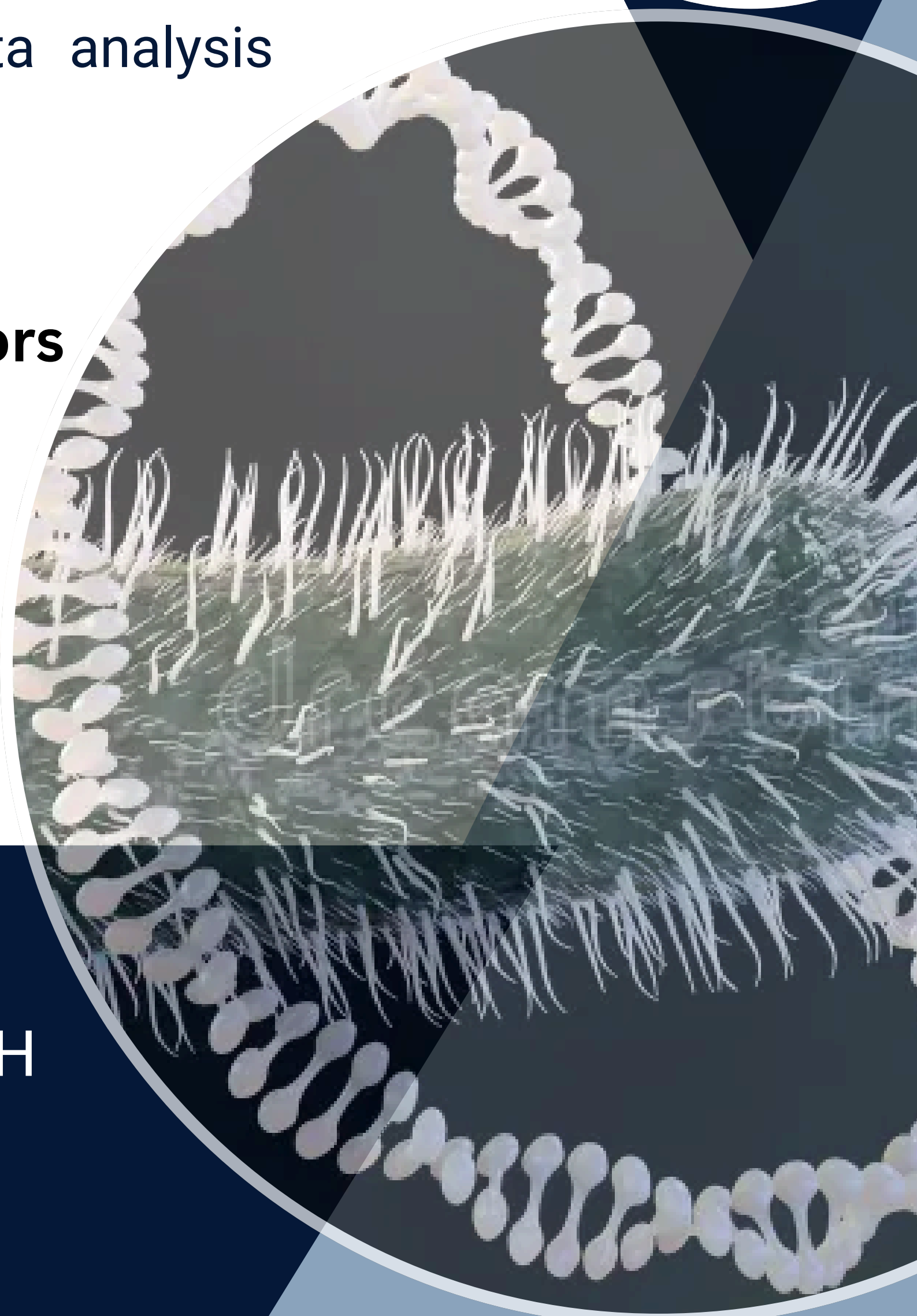
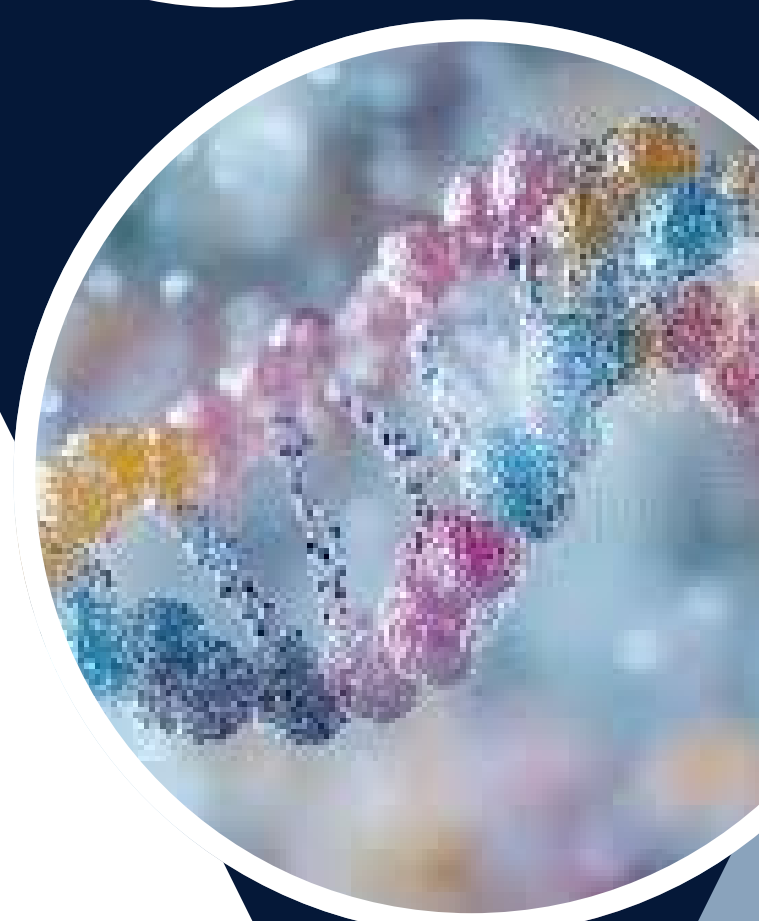
Dr. Swetha P

HOD

Dr. Prasanna
Srinivas R

Principal

Dr. Pushpa H



Value Added Program

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Modules

- **Module 1: Basic concepts in Genomics**
 - Bacterial Transformation
 - Agarose gel electrophoresis
 - Bioinformatics in genomics
 - Genomic sequence databases
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- **Module 2: Advanced concepts in Genomics & their applications**
 - Southern blotting
 - Hybridization and detection of DNA
 - Sequence alignment tools
 - Sequence similarity search tools
 - Restriction mapping of genomic sequences.

BSc IV Semester students

Registration is free

Total participants restricted to 40

Participation Certificate will be provided

Date: 19th to 21st January 2026

Venue: MB Lab

Time: 9:30am onwards

Scan the QR code for
further details



www.msrmcasc.edu.in

