

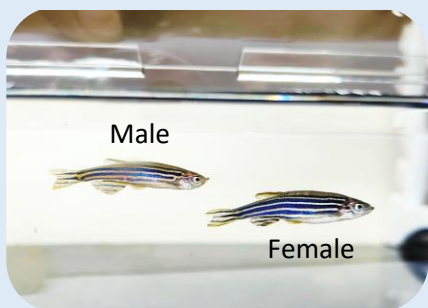
Hands-on Workshop on

Tools and Techniques for Studying Pathophysiology and Gut Microbiome in Zebrafish

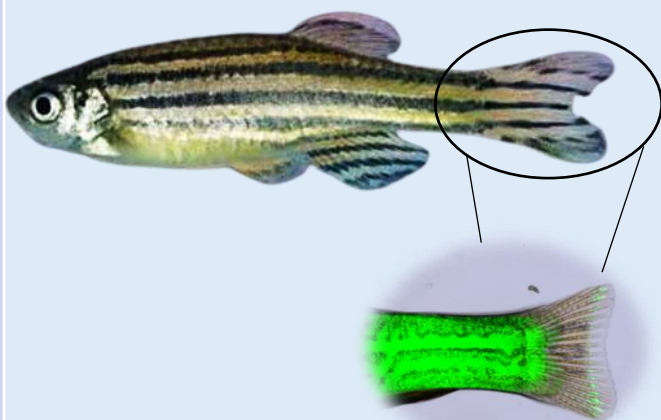
11th to 15th March 2024 at Agharkar Research Institute, Pune

[Click here to apply for the Zebrafish Gut Microbiome Workshop](#)

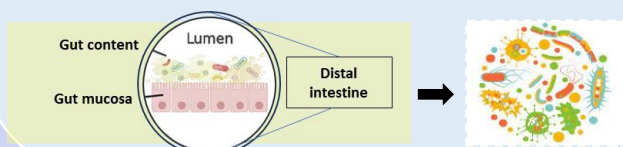
Zebrafish breeding



Organ regeneration & microscopy

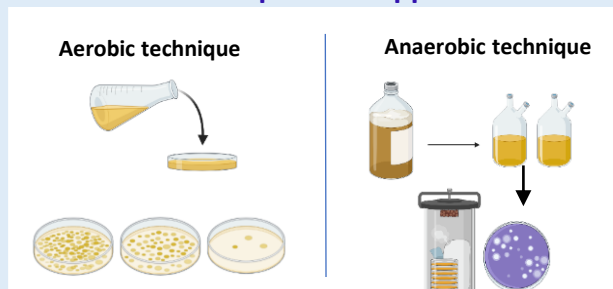


Dissection & Sample processing for Microbiome studies

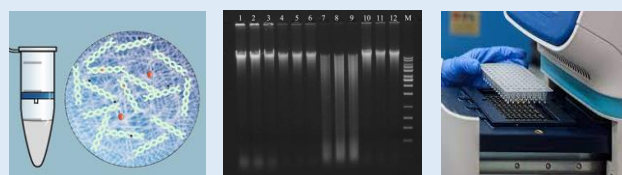


Gut Microbiome study

Culture dependent approach



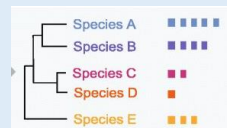
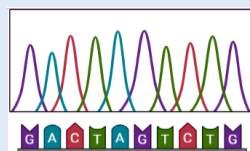
DNA extraction & 16S rRNA gene sequencing



DNA extraction

Agarose Gel electrophoresis

PCR



Sanger sequencing and Data analysis

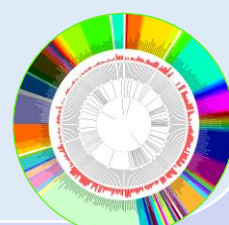
Culture independent approach: Metagenome (Total DNA) sequencing



Data Analysis

16S Amplicon data

Shotgun metagenome data



Application Deadline: 29th February 2024
Limited Seats (15 participants only) !

Workshop Fees- Students: ₹4000 ,
Teacher/Government Employee: ₹
5000, and Industry: ₹8000

Selection will be based on the screening of the application.

Lunch will be provided

Organized by:

Dr. Chinmoy Patra, Dr. Sumit S. Dagar, Dr. Tushar Lodha, Dr. Neelam Kapse, ARI

Contact: workshop_gutmicrobes@aripune.org