



# Hands-on Training on

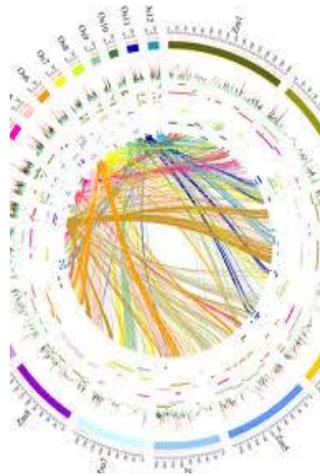
## NGS Data Analysis with Special Reference to Transcriptomics and Metagenomics



5-11 Oct 2023

### Highlights of Program

- ❖ Introduction of computational tools and linux
- ❖ Overview of NGS platforms
- ❖ Pre-processing of NGS data (transcriptome and metagenome), QC, trimming and filtering
- ❖ Assembly, mapping and annotation
- ❖ Marker discovery (SNP/SSR)
- ❖ Diff. Gene Expression analysis
- ❖ Metagenome data analysis
- ❖ Functional analysis of 16s rRNA data
- ❖ Introduction of R-software



**ICAR-CIFE:** ICAR-Central Institute of Fisheries Education, Mumbai is India's only national fisheries university. It is a premier institution dedicated to promoting higher fisheries education through generation of high quality human resource, high end research in both basic and applied aspects. Fish Genetics and Biotechnology Division has been working in the area of molecular genetics and genetic engineering since over two decades. Division has a NGS and computational biology facility. The Division has good expertise in transcriptome analysis and marker discovery in aquaculture species for understanding biological problems.

How to apply: Scan code for registrations or mail us [hod.fgb@cife.edu.in](mailto:hod.fgb@cife.edu.in)



**Organized by**  
**Fish Genetics and Biotechnology Division in collaboration with**  
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**Training fee: Students: Rs. 3,000/- and Faculty: Rs. 5,000/-**  
**Last date of application: 30<sup>th</sup> Sept 2023**  
**Boarding and lodging:** Accommodation and food shall be provided to participants upon request and are chargeable.