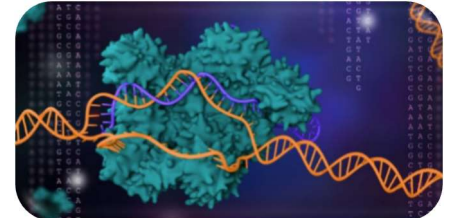




Skill Development Program On

“Engineering Zebrafish with CRISPR Tools”

26th Oct – 07th Nov 2026



The CSIR-Center for Cellular and Molecular Biology is organizing a hands-on two weeks training on genome engineering of zebrafish embryos using gene-editing technology-CRISPRs to generate human resources that are employment-ready for the requirements of industries and academia. The program targets students and employees from government labs/ Institutes, Industries, Hospitals, Pathology Laboratories, Universities with a view to train them to be able to design and construct CRISPR constructs and generate knock-out and knock-in zebrafish transgenic lines.

No. of seats	:	10-12
Target Audience	:	Faculty/ Researcher from Academia/Industries/ Institutes
Minimum Qualification	:	B.Tech., M.Sc, B.V.Sc., MBBS (minimum)
Mode of the Course	:	In-house training at CCMB, Hyderabad
Mode of selection	:	Application form & Statement of Purpose
Course Fee	:	Rs. 30000/- (Including accommodation & GST)
Course Code	:	ZCRISPR-2
Apply using the link/scanner	:	http://61.1.171.19/training_programs/sdp/

Training Curriculum:

- Concepts of genome editing and engineering
- Zebrafish husbandry, breeding set up
- Design of sgRNA, donor oligos and donor-targeting vectors
- Cloning of sgRNAs, preparations of CRISPR constructs for microinjections
- Microinjection of CRISPR constructs into zebrafish embryos
- Morphological analysis of CRISPR embryos, juveniles and adults

Salient Features of the Training:

- 20% theory and 80% practical sessions are as per the course curriculum.
- Hand-out information on teaching modules
- Tutorials (personal attention)
- Lectures are assisted with multimedia aids
- Central facility visits within the laboratory
- Exposure to laboratory safety regulations
- Evaluation assignments and Trouble-shooting sessions
- Certificate of participation

Course Coordinator:

Dr. Megha Kumar
Scientist-E
In-charge – Zebrafish Facility
CSIR-CCMB,
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Program Coordinator:

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Scan to Apply

