

Report on Skill Development Programme on “Application of Zebrafish as Vertebrate Model for Biomedical Studies, 23rd Feb to 5th March, 2021”

The Skill Development Programme on “Application of Zebrafish as Vertebrate Model for Biomedical Studies” was conducted during 23rd Feb to 5th March 2021 at FGB Division, ICAR-CIFE. Dr Aparna Chaudhari was the Course Director, and Dr N. S. Nagpure and Dr Mujahidkhan A. Pathan were the Coordinators. The program was inaugurated by Dr Gopal Krishna, Director, ICAR-CIFE. Six participants from Haffkine Institute, Bombay Pharmacy College, ACTREC and MGM Medical College, Mumbai, attended the training program. All the participants use zebrafish as a model in their research. The topics included various applications of zebrafish as a vertebrate model, husbandry, breeding, embryogenesis and early development, genetic management of zebrafish, water quality management, disease surveillance in the culture facility, histology, *in vivo* and *in vitro* toxicity assays, microinjection of DNA into zebrafish embryos, transfection into cell lines, along with basic molecular biology techniques. A post training evaluation was also conducted and the participants performed extremely well. Head FGB Division distributed the certificates and the training manual on the final day of the training.

