

Application form

Full Name (Block Letters):

2. Present Position:

3. Affiliation:

4. Address:

5. Telephone/ Mobile No:

6. Email address:

7. Educational Qualifications:

8. Current area of research:

9. Reason for participation:

Declaration:

I hereby declare that the information provided by me is true and shall abide by the rules and regulations of the laboratory of Fish Genetics and Biotechnology, ICAR-Central Institute of Fisheries Education, Mumbai.

Date: (Signature of Candidate)

Place:



Programme Director

Dr. Gopal Krishna
Director/Vice Chancellor

Course Director

Dr. Aparna Chaudhari

Course Coordinators

Dr. N.S. Nagpure
Dr. M. A. Pathan

All correspondence should be addressed to:

Dr. Aparna Chaudhari
Head of FGB Division

[email: aparnac@cife.edu.in](mailto:aparnac@cife.edu.in)

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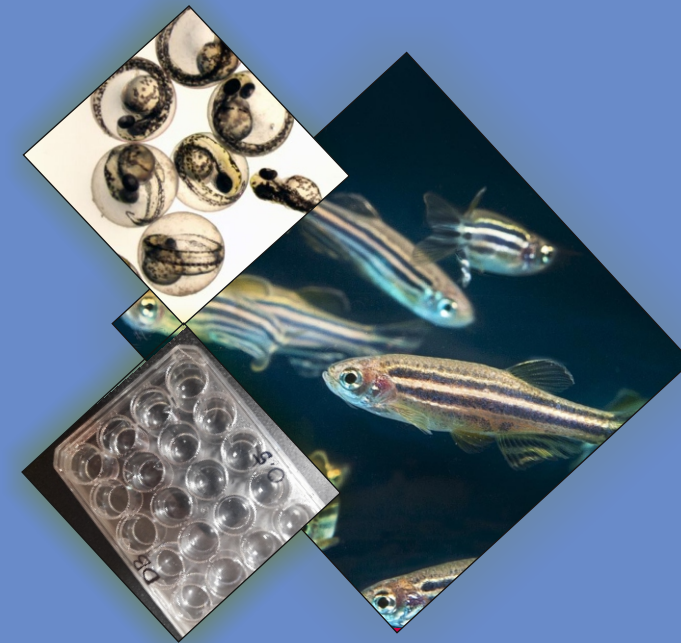


CZeBraG
Centre for Zebrafish Breeding and Genetic Research
National Facility for Zebrafish Genetic Resource

Skill Development Programme on

Application of Zebrafish as a Vertebrate Model for Biological Studies

8th - 17th July, 2019



ICAR-Central Institute of Fisheries Education
Mumbai

(Deemed University, ICAR)

Off Yari Road, Panch Marg, Versova, Mumbai- 400 061

Introduction

The zebrafish, *Danio rerio*, is a widely used model organism for biological research in the fields of molecular biology, developmental biology, genetics, toxicology, oncology, and neurobiology. There are many advantages of using zebrafish over other vertebrate models. Zebrafish has excellent traits like external fertilization and development, optical clarity during embryogenesis, high fecundity, short generation time and ease of maintenance. No other vertebrate model organism's popularity has grown as quickly as that of the zebrafish.

In view to enhance the usage of zebrafish for biological application, the Skill Development Programme on Application of Zebrafish as a Vertebrate Model for Biological Studies is being organised at Central Institute of Fisheries Education, Versova, Mumbai- 400 061, during 8 - 17 July, 2019.

Topics to be Covered

- Zebrafish Husbandry
- Embryogenesis in zebrafish
- Genotoxicity assays
- Nanotoxicity studies
- Histopathological studies
- Water quality analysis
- Microinjection of zebrafish embryos
- Zebrafish as *in vitro* model

About ICAR-CIFE

ICAR-Central Institute of Fisheries Education (Deemed University) 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, generation of appropriate technologies and their dissemination. CIFE alumni constitute the country's present leadership in this sector. CIFE has global linkages and a significant role in fisheries education of African and SE Asian countries.

The Fish Genetics and Biotechnology Division of ICAR-CIFE with its highly qualified and committed faculty, is engaged in seeking solutions to various problems in aquaculture and fisheries by applying latest genetics and biotechnology tools. The Division has strengths in the areas of genetic engineering, transgenesis, molecular genetics, nanotechnology, cell culture and quantitative genetics. For the first time in India, CIFE is developing inbred lines and pedigreed stocks of zebrafish, and has set up a Centre for Zebrafish Breeding and Genetic Research (CZeBraG) to serve as a national zebrafish genetic resource for researchers.

The institute is located about 8 km away from the domestic and international airports and 20 km from Dadar Railway Terminus. Mumbai, the financial capital of India, is well connected by rail and road with all major cities of India. The climate during July is quite comfortable and is marked by continuous rainfall during this month, so it is advisable to carry an umbrella/raincoat with you.

Eligibility

Students/ Scientists/ / Researchers who are studying or employed in SAU's/ CAU/ ICAR

Institutes/ Agriculture faculty/ Private Institutions/ Universities/ Colleges are eligible for the training programme. The applications must be forwarded by the Head of Division/Institution. All the applications duly forwarded should be sent to the Course Director of the programme on or before 20th June 2019.

Intake Capacity

A total of 25 participants only will be selected after screening.

Course Fee

Course Fee @ Rs.5000/- per participant is to be paid at the time of registration by Debit/ Credit card, cash or DD drawn in favour of "ICAR Unit, CIFE" payable at Mumbai.

Travel and Logistics

Travel expenses will be borne by the participants. Facilities for paid boarding and lodging may be provided in the campus, as per availability. Boarding and lodging in the dormitory/twin sharing Rs.150-250/day, single room Rs.1500-2000/day (AC), while food charges would be approximately Rs. 250/day.

Dates to remember

Last date for submission of application:
20th June 2019

Communication of selection: 22nd June 2019
Confirmation by candidate: 24th June 2019