

How to reach Bhimtal

The ICAR-Directorate of Coldwater Fisheries Research, Bhimtal, is a premier institute dedicated to coldwater fisheries research in the country. It is an institute established under the aegis of the Indian Council for Agricultural Research, Department of Agriculture and Education, Ministry of Agriculture and Farmers Welfare, Government of India, New Delhi.

The institute has catered to the needs of coldwater fisheries development in the country and carried out commendable work in aquaculture and fisheries resource management.

ICAR-DCFR is located in the small township of Bhimtal, in the Nainital district of Uttarakhand. Bhimtal is at an altitude of 1470 MASL. Kathgodam, the nearest railway station is 22 km and the famous hill station Nainital is 20 km away. The New Delhi railway station is about six hours drive about 299 km from Bhimtal. State transport buses are also from Delhi Anand Vihar terminus to Haldwani which is about five hours journey. The nearest airport is Pantnagar, which is 56 km from Bhimtal. Hired and shared taxis are available from Pantnagar airport, Kathgodam railway station as well as Haldwani bus station.

For queries contact

Course Director:

Dr. Neetu Shahi

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Extension Cell:

ICAR-DCFR, Bhimtal, Uttarakhand

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Organizing Team

Director

Dr. Pramod Kumar Pandey
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Course Director

Dr. Neetu Shahi
Senior Scientist

Course Co-ordinators

Dr. Renu Jethi
Senior Scientist

Mr Sumanta K Mallik
Scientist (SS)

Organizer

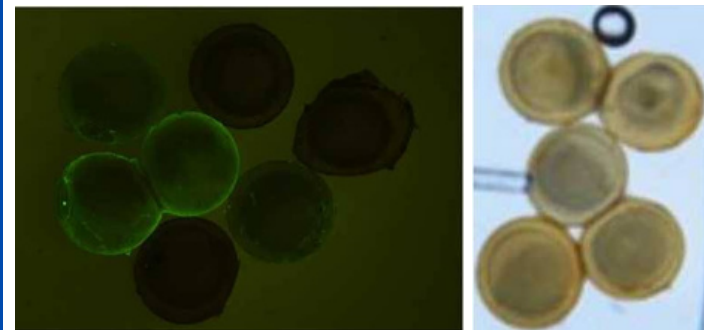
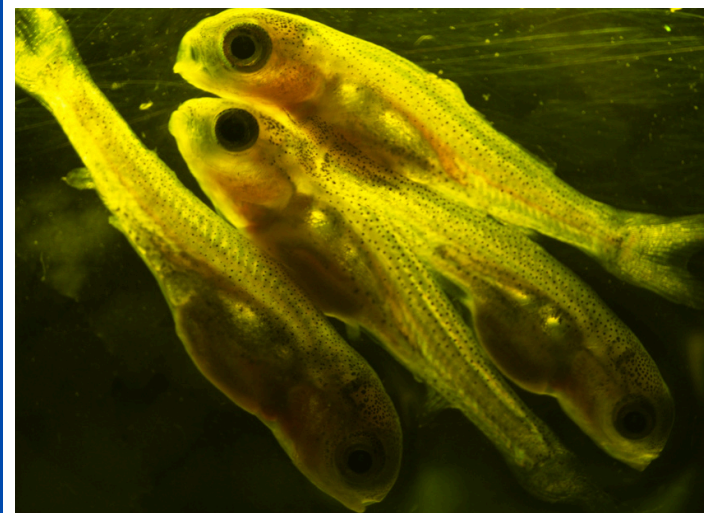


**ICAR-Directorate of Coldwater
Fisheries Research
Bhimtal - 263 136, Uttarakhand, India**

<https://www.dcfr.res.in>

<https://youtube.com/@icardcfrbhimtal9650>

<https://twitter.com/ICARDCFR>



Seven Days Training

on

“CRISPR Editing in Fish”

27 August-02 September 2024

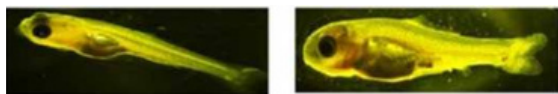


**ICAR-Directorate of Coldwater
Fisheries Research
Bhimtal**



Introduction

CRISPR/Cas9 heralds a paradigm shift in aquaculture by enabling precise manipulation of traits. Its superior cost-effectiveness, streamlined construct design, and diminished off-target effects outperform traditional methodologies. Encouraging advancements are noted in growth and disease-resistance alterations. Furthermore, it enhances flesh quality, pigmentation, and elucidates novel gene functions. While challenges persist, the vast potential of CRISPR/Cas9 for fish genome modification endures.



Course content

- Introduction to gene editing
- CRISPR/Cas9 components and mechanism
- Designing sgRNAs for targeting fish genes
- Off-target effects and strategies to minimize them
- Microinjection methods
- Genetic analysis
- Bioethics and biosafety

Training fee

Regular participants
(other than students) - Rs 6,500

Students - Rs 3,000

The fee includes course material, institutional charges, and refreshments only.

Payment

Payment has to be made by the participants digitally to the bank account of ICAR-DCFR.

Account's Name:

ICAR UNIT-DCFR, Bhimtal

Account Number: 11521442640

Bank Name: State Bank of India

**Branch Address: Bhimtal, District-Nainital,
Uttarakhand, India-263 136**

IFS Code: SBIN0007348

(Payment can also be made through SBI Collect at www.dcfrcr.res.in)

Note: Payment should be made only after receiving the confirmation email and is non-refundable.

Directorate will issue the receipt for the payment made by the participants or the sponsoring agency.

How to apply

Scientists, academicians, government officials, entrepreneurs, industry representatives, technical officers, and research scholars interested/engaged in aquaculture and fisheries can apply for the training program. Candidates can apply by filling in the google form or by scanning the QR code given below. In addition, candidates can also apply by sending an email to neetudcfrcar@gmail.com or extensiondcfr@gmail.com.

Candidates may apply for the training in the prescribed format on or before 30/07/ 2024. The selected candidates will be intimated by email.



<https://forms.gle/H3kv8j45dy5oyjWT8>

Boarding and lodging

Boarding and lodging expenses have to be borne by the participants/sponsoring agency themselves. ICAR-DCFR guesthouse facility may be provided to trainees, subject to availability, with charges as per ICAR norms. If a guesthouse is not available, participants shall be given guidance to find suitable accommodations in the vicinity. Travel expenditure has to be borne by the sponsoring authority or by the candidates themselves.