

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 Nainital district of Uttarakhand. Bhimtal is at an altitude of 1470 msl. 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 299km 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

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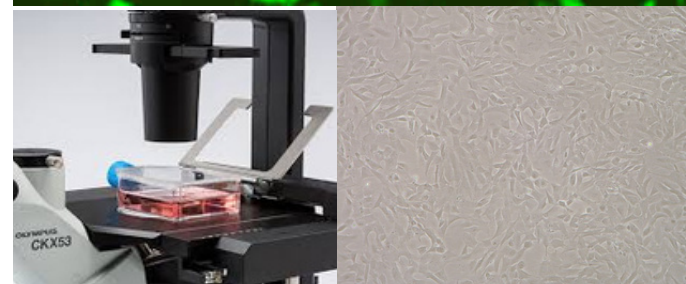
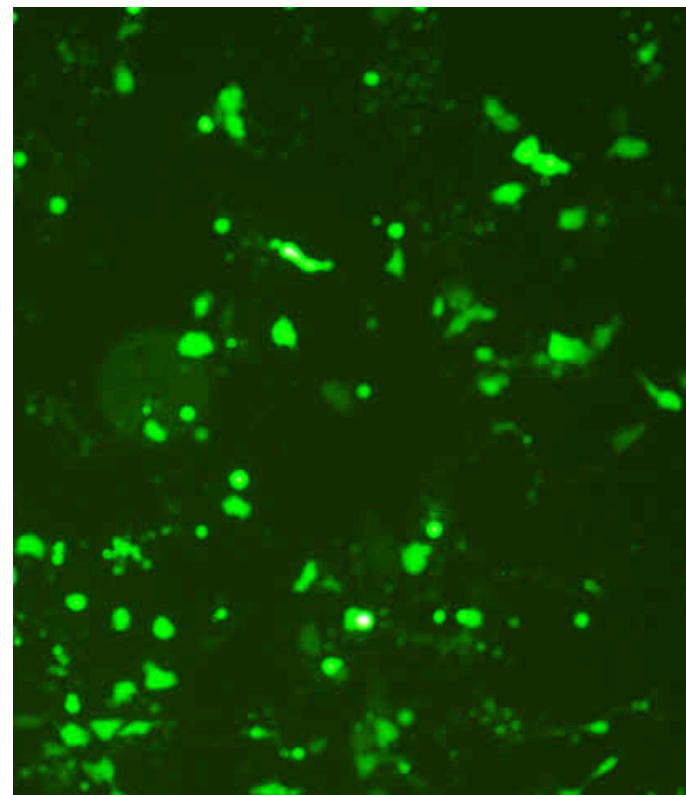


**ICAR-Directorate of Coldwater
Fisheries Research
Bhimtal - 263 136, Uttarakhand, India**

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

<https://youtube.com/@icardcfbhimtal9650>

<https://twitter.com/ICARDCFR>



Five Days Training

on

“Fish Cell Culture”

15-19 July 2024



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



Introduction

Fish cell lines are invaluable tools in aquatic research, offering diverse applications in toxicology, virology, biotechnology, and conservation biology. Cellosaurus, an online database on cell lines has enlisted 883 fish cell lines derived from more than 590 species. In India, so far 69 authenticated and six unauthenticated cell lines from more than 24 species have been catalogued by National Repository of Fish Cell lines, ICAR-NBFGR, Lucknow.

So far, two authentic cell lines have been reported from coldwater fish, and more are being developed. The development of these cell lines is a tedious and time-consuming task that requires trained manpower, which is currently limited. This five-day intensive training programme is designed to provide participants with comprehensive knowledge and practical skills in the maintenance, and utilization of fish cell lines. Participants will engage in hands-on sessions covering key techniques such as cell culture initiation, subculturing, cryopreservation, and molecular characterization of cell lines. Additionally, the programme will address the latest advancements and best practices in fish cell line research, ensuring that participants are well-equipped to apply these methodologies in their respective fields.

Course content

- The cell culture laboratory
- Instrumentation and Reagents for Cell Culture
- Aseptic techniques
- Biological contamination
- Morphology of the cells
- Primary culture and cell lines
- Maintenance of cell culture
- Sub-culture
- Preservation of cells
- Reviving the cells
- Applications of fish cell lines

Training fee

Regular participants - Rs 5,500

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 Holder 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.dcfrc.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 forms or by scanning the QR code given below. In addition, candidates can also apply by sending an email to amit.pande@icar.gov.in/ extensiondcfr@gmail.com.

Candidates may apply for the training in the prescribed format on or before 10/07/2024. 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.