

APPLICATION FORM

Training programme on Molecular methods of bacterial identification

Name of the applicant :

Nationality :

Educational qualification :

Date of birth : Sex :

Designation/ Present position :

Organization/Affiliation :

Address for correspondence :

E. mail address :

Telephone and fax number :

Cell phone number :

Experience in microbiology works :

Date : Signature of competent/forwarding authority Signature of applicant

Contact

For further query, please contact

Convener

Director

ICAR-Central Inland Fisheries Research Institute
Barrackpore, Kolkata – 700 120

Co-Convener

Dr. B.P. Mohanty, Principal Scientist & Head
Division of Fishery Resource and Environmental Management (FREM)
ICAR-Central Inland Fisheries Research Institute
Barrackpore, Kolkata – 700 120

Course Director

Dr. Sanjib Kumar Manna, Principal Scientist
E.mail: sanjibmanna@yahoo.com
Phone: 033-2592 1190/91; Cell: 9433475913

Course Co-ordinators

Dr. Bijoy K. Behera, Principal Scientist, beherabk18@yahoo.co.in, Cell: 91632 09580
Dr. A.K. Bera, Principal Scientist, asitmed2000@yahoo.com, Cell: 94320 15127
Dr. Tanuja Abdulla, Scientist, tanujacifri@gmail.com, Cell: 78930 52064
Dr. Raju Baitha, Scientist, rajunav@gmail.com, Cell: 98310 26011



Training Programme On Molecular Methods of Bacterial Identification

February 11-16, 2019

Organized by



ICAR-Central Inland Fisheries Research Institute
Barrackpore, Kolkata – 700 120

About the Training Programme

Bacterial identification and taxonomy has evolved and undergone sea change in last few decades. Present day bacterial taxonomy heavily depends on genetic homology, in combination with salient morphological and biochemical characters. This is often done by NCBI BLAST of 16SrDNA and other chronometer sequences for tentative identification of a bacterium. However, lack of knowledge in the subject and ignorance may lead to wrong identification. The present training encompasses fundamentals and practical aspects of 16S based bacterial identification, from genomic DNA isolation up to phylogenetic tree drawing for developing expertise among students and researchers.

About the Institute

Central Inland Fisheries Research Institute (ICAR-CIFRI) is a premier fisheries research institute in India since 1947. The Head Quarter of the Institute is located in Barrackpore, Kolkata – 700 120. The Institute has a team of distinguished scientists in the field of microbiology, biochemistry, biotechnology etc. and advanced laboratories to cater to their needs. With more than 70 years of national and international presence in the field of inland open water fishery, ICAR-CIFRI is extending its expertise and facilities for direct benefit of the fisher community, private and public organizations, academic institutions and state departments.

Objectives of the Training

- To acquaint the participants with molecular methods of bacterial identification
- To impart hands on training on 16S rDNA and metagenome based bacterial identification and taxonomy

Training Period: February 11-16, 2019

Course Contents

- Fundamental of Bacterial identification, 16S rRNA and other molecular markers
- Genomic DNA isolation and 16S rDNA PCR
- Electrophoresis of PCR products and their sequencing
- Bioinformatics tools for sequence analysis, editing, alignment and contig building
- 16S libraries and reference sequence
- Getting correct identification from different databases
- Phylogenetic analysis and tree drawing
- Metagenomic analysis of microbial diversity

Venue

Division of Fishery Resource and Environmental Management (FREM), ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata – 700 120

Dates to Remember

Last date of receipt of application/nomination: January 31, 2019
Intimation to selected candidates: February 02, 2019

Who can Apply?

Post graduate students, researchers, research scholars, scientists, college/university faculty members working in areas of microbiology and biotechnology
Training Fee

The course fee is Rs. 10,000/= (Ten thousand) only. This includes registration & bench fee but does not cover lodging and boarding charges. Accommodation in the Institute Guest House/ Training Facility will be provided to desiring candidates as per availability and at Govt. rates. No TA and DA will be paid by the organizer to the participants.

How to Apply

Eligible candidates may apply in the prescribed application form along with brief biodata which may be sent by post to: Dr Sanjib Kumar Manna, Principal Scientist, ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata–700120 and must reach on or before 31.01.2019. Or the scanned copy of the same may be E-mailed to: sanjibmanna@yahoo.com, with a copy to: rajunav@gmail.com, tanujacifri@gmail.com. Selected candidates will be informed regarding their participation by E. mail.

Weather Conditions

In February, weather at Barrackpore is pleasant with lowest temperature around 15-18°C. Participants are requested to carry warm clothes for comfort. Chance of rain is low.

Instruction to Participants

The training fee may be paid as Demand draft payable to 'ICAR UNIT CIFRI, BARRACKPORE' or by Account Transfer to ICAR UNIT CIFRI, BARRACKPORE, Bank Account Number: 11278713220, at State Bank of India, Barrackpore Branch (IFSC code: SBIN0000029). Payment may be done only after confirmation of participation. Demand draft or proof of payment is to be submitted by hand. Participants may also pay by credit or debit cards at the Institute; payment by cash is not accepted.

The training programme is hands on training and involves self practice with bioinformatics tools and 16S rRNA libraries. Participants are requested to bring their own laptop with internet connection.

How to reach ICAR-CIFRI

Barrackpore is located in North 24-Parganas district, 24 Km. away from Netaji Subhas Chandra Bose airport and Howrah Rly. Stn., and 22 Km away from Sealdah/ Kolkata Rly Stn. ICAR-CIFRI is located at Monirampur, 5 Km. away from Barrackpore Rly Stn. on Sealdah Main Rly. section. One can reach also from Howrah Rly. Stn., alighting at Sheoraphuly Rly Stn. (on Howrah-Burdwan Main section) and then by crossing the ferry at Sheoraphuli ghat (alias Du paisa ghat) to Manirampur Ghat and walk to the campus.

