

INTRODUCTION

A paradigm shift in the generation of sequence data is evident since the next generation sequencing platforms have taken over the high throughput sequencing. The growing power and reducing cost of Next Generation Sequencing technology stimulated to generate huge amount of genome data in last one decade. The pace with which such data are generated, storage has become a challenge. The bigger challenge after generation of such enormous amount of data is to derive meaningful biological information with bioinformatics solutions. In this context, the Fish Genetics and Biotechnology Division is organizing a training program with the objective to provide short-term hands-on training to researchers and faculties in order to produce human resources for analyses of sequence data of diverse origin. The Institute has a Bioinformatics Facility which comprises of specifically configured workstations and a high end server with both open source and commercial software. The draft genome of rohu and magur completed recently is first of its kind in any indigenous fish species and will serve as raw data for the analysis. Resource persons will be from the division as well as from outside.

TRAINING MODULE

03.10. 18: Introduction to Bioinformatics.

04.10. 18: Introduction to Linux and Perl

05.10. 18: Introduction to big data generation

06.10. 18: Transcriptome sequence analysis.

08.10. 18: Whole Genome Sequence Analysis.

09.10. 18: Setting up of a bioinformatics workstation: Basic requirements and considerations

COURSE FEE

A course fee of Rs. 8,000/- per candidate (this includes registration fee, accommodation and working lunch) will be charged at the time of registration. Selected candidates will be intimated to carry a Demand Draft drawn in favor of "ICAR Unit, CIFA" payable at State Bank of India, Kausalyaganga (Code 8874).

ACCOMMODATION

Accommodation will be arranged in the Institute's Guest House and Hostel.

HOW TO APPLY

Young Scientists/Faculties, Govt. Officials, Technical Officers, Research Associates and Scholars working in the area should send the filled in application forms in the given format through proper channel to the Director, ICAR-CIFA, Kausalyaganga and Bhubaneswar-751002. Last date of receiving application is 20th September 2018. Intimation to selected candidates will be sent through email.

CONTACT DETAILS

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DIRECTOR
Dr. B. R. Pillai

HEAD OF THE DIVISION
Dr. J. K. Sundaray

COURSE COORDINATORS
Dr. P. Das, Dr. L. Sahoo & Dr. A. Barat

Hands-on Training on Bioinformatics Analysis of NGS Data

03- 09 October, 2018

1. Full Name (in block letters) :
2. Designation :
3. Date of Birth :
4. Sex :
5. Present employer and address :
6. Address for communication (including tel/mob/fax & email) :
7. Area of research & Professional experience :
8. Academic record (graduation onwards) :

It is certified that the information furnished above are true to the best of my knowledge

Date: _____ Signature of the Applicant
Place: _____

9. Recommendation of forwarding authority if any

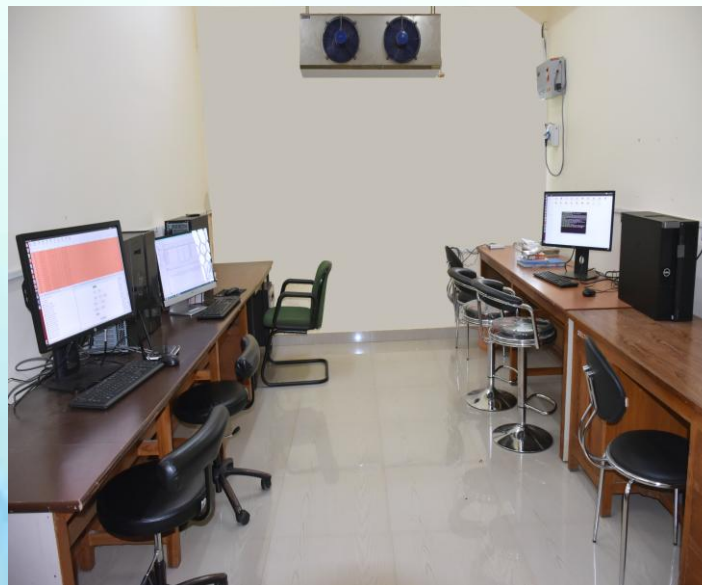
Signature of the competent authority

ICAR-CENTRAL INSTITUTE OF FRESHWATER AQUACULTURE

The Central Institute of Freshwater Aquaculture (CIFA) is a premier research Institute in freshwater aquaculture in the country under the administrative control of the ICAR, New Delhi. This Institution has to its credit the sprawling campus of 147 ha with more than 350 assorted ponds in the farm, hatcheries, feed mill, ABI, research laboratory facilities, a Krishi vigyan Kendra, Guest House, Hostels, Post office and Bank located within the campus. There are more than 75 research scientists catering to the research, training and extension need in breeding, culture, health, nutrition and physiology, genetics and biotechnology and social science aspects of freshwater fish and shellfish species. The focus is species and system diversification, genetic improvement of prioritized species through genetic and biotechnological tools, development of high quality feed, disease diagnostics, technology dissemination and extension.

Location

ICAR-CIFA is located 8 km away from the Bhubaneswar City. Bhubaneswar, the temple city of India in the state of Odisha, is a world heritage point.



HANDS-ON TRAINING ON BIOINFORMATICS ANALYSIS OF NGS DATA

03- 09 October, 2018



Organised by



Fish Genetics & Biotechnology Division
**ICAR- Central Institute of Freshwater
Aquaculture**

(Indian Council of Agricultural Research)

(An ISO 9001:2015 certified Institution)

Kausalyaganga, Bhubaneswar –751002