

To,

# WORKSHOP

ON

“Basic and advanced next generation sequencing data analysis and its applications”

**19<sup>th</sup> – 21<sup>st</sup> March, 2020**



**Organized by**

**BIOINFORMATICS  
INFRASTRUCTURE FACILITY  
GAUHATI UNIVERSITY  
GUWAHATI- 781014, ASSAM, INDIA**

**(Sponsored by DBT, Govt. of India)**

## REGISTRATION FORM

WORKSHOP ON  
“Basic and advanced next generation sequencing data analysis and its applications”

**19<sup>th</sup> - 21<sup>st</sup> March, 2020**

Name (Dr./Mr./Ms): \_\_\_\_\_

Designation: \_\_\_\_\_

Department/Institute: \_\_\_\_\_

Address for Correspondence: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Category: (Lecturer/Research Scholar): \_\_\_\_\_

Area of interest: \_\_\_\_\_

State briefly how the present training will benefit you in the field of your research work:

Signature of the  
Candidate

Signature of the  
sponsoring authority

*\*(A photocopy of the form may also be used)*

## **Background**

The Department of Biotechnology, Ministry of Science & Technology, Govt of India has been pleased to set up Bioinformatics Infrastructure Facility (BIF) in the Gauhati University, Guwahati Assam in February; 2008. The centre is a member of Northeastern Bioinformatics network (NEBInet) and Biotechnology Information System Network (BTISnet).

## **Objectives**

The objective of the training is to provide detail knowledge on the application and uses of Bioinformatics tools in Next Generation Sequence analysis and to facilitate young researchers & veterans to design and develop ideas with respect to Next Generation Sequencing technology.

## **Course Contents of the Training Course**

- Pre-processing of NGS data
- RNA-Seq data analysis
- Metagenomics data analysis
- Introduction to R
- Application of R in NGS data analysis

## **Faculty**

Faculty for the workshop will include genomics professionals with in-depth knowledge and vast experience in NGS workflows and genome informatics.

## **Methodology**

Lectures, Demos and Hands on Session.

## **Level of participants**

College/University Teachers & Research Scholars in Biological Sciences.

## **Prerequisites**

Knowledge of Computer (preferably Linux operating system) and Molecular Biology.

## **Number of participants**

Number of participants will be restricted to 20.

## **Accommodation**

Participants are requested to arrange their own accommodation. (However, it may be arranged upon prior request at the University Guest House)

## **Registration Fee:**

Rs. 2500/- (includes course work material and lunch; may be paid in cash)

## **How to apply?**

Applicants may submit their duly filled in registration forms to the following Email

- [manasdasne@gmail.com](mailto:manasdasne@gmail.com)

## ***Important Dates***

**Release of advertisement:** 10-02-2020

**Application Deadline:** 15-03-2020

**Selected candidates will be informed by March 16, 2020**

## ***Venue***

Bioinformatics Centre  
Department of Zoology  
Gauhati University, Guwahati-781014

## ***Coordinator***

**Dr. K. Dutta,**  
**Prof., Department of Zoology,**  
**Gauhati University,**  
**Guwahati-781014,**  
**Assam, India**  
**☎ 91-9954207512**

## ***Co-Coordiators***

**Dr. Manas Das**  
**Asst. Prof., Department of Zoology,**  
**Gauhati University,**  
**Guwahati-781014**  
**☎ 91-9864827589**