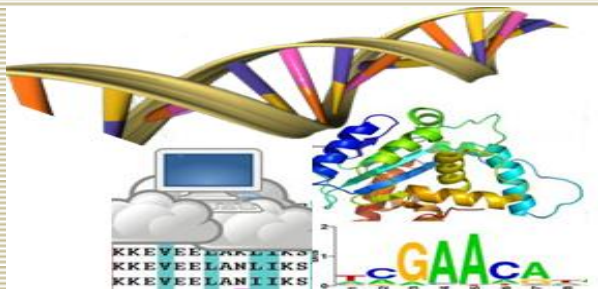

Scope and Topics

The 2-days workshop will train participants on transcriptomics data analysis. In this workshop, participants will be learning how to analyze RNA-seq count data/microarray data using R. This will include reading the data into R, quality control and performing differential expression analysis and gene set enrichment analysis. Participants will learn how to generate common plots for analysis and visualization of gene expression data, such as boxplots and heatmaps. Some prior R knowledge is assumed. If participant are not familiar with the R statistical programming language it is strongly encouraged to work through an introductory R course. This is a hands-on course thus at the end of the workshop the participants would gain the ability to analyze transcriptomics data and its interpretation.



Participants

PG students/ Researchers are welcome. 20 Nos. of participants will be selected. Participants should carry laptop with preferably 4GB RAM, if possible.

Registration Fees: Nil

Accommodation

Participants should arrange their accommodation by themselves or organizer may arrange on request. No TA/DA will be paid for attending the training course.

Important Date

Last date for the receipt of application form: **April 19, 2018.**

About us

The Bioinformatics Infrastructure Facility (BIF) at Biotechnology Group, BSTD Division, CSIR-NEIST, Jorhat runs under the Biotechnology Information System Network (BTISnet) programme of DBT, Ministry of Science & Technology, Government of India. The Centre was established on February, 2008 to promote innovation in Biological research and education through Bioinformatics accomplishment.

Resource Person

Dr. Pankaj Barah
MBBT, Tezpur University
Tezpur, Assam

Organizing committee

Advisor

Dr D Ramaiah, Director
Dr HP Deka Boruah, Head, BSTD

Coordinator

Dr Ratul Saikia
Coordinator, BIF Center
BSTD-Biotechnology

Co-coordinator

Dr Yumnam Silla Devi
BSTD- Biotechnology

Members

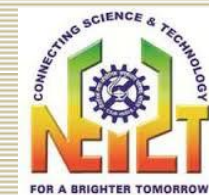
Dr S B Wann, Dr. C. Chikkaputtaiah
Mrs. A. Yadav, Dr. R .K. Sarma

Correspondence

For registration, interested applicants may apply through email along with CV to:
Email:rsaikia19@gmail.com/
ratulsaikia@neist.res.in/ysilla@neist.res.in
9435478664 (M)

Training cum Workshop on **Transcriptomics - From Data Analysis to Inference**

April 26 -27, 2018



Organized by

**Bioinformatics Infrastructure Facility
BSTD - Biotechnology
CSIR- North East Institute of Science &
Technology
Jorhat-785006, Assam**

Supported by

**Department of Biotechnology
Govt. of India
New Delhi**
