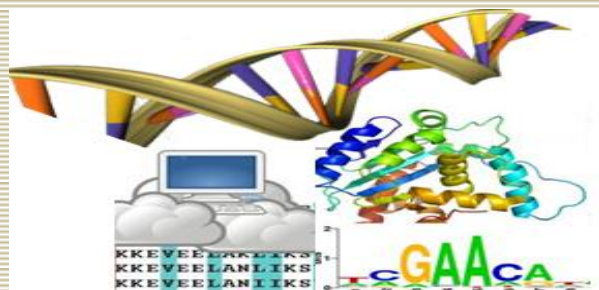


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## Scope and Topics

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.**

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## 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

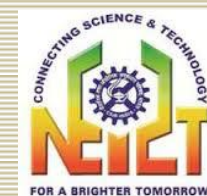
For registration, interested applicants may apply through email along with CV to:  
Email:rsaikia19@gmail.com/  
ratulsaikia@neist.res.in/ysilla@neist.res.in  
9435478664 (M)

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## 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**

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