

## REGISTRATION FORM

## ORGANIZING COMMITTEE



Name:

Course:

Institution :

Permanent Address:

Correspondence address:

How this workshop will help you in your course work:

E-mail:

Contact No. :

Recommendation from the Head of the  
Department/Institution:

Signature of the participant

Date:

Place:

### PATRON

*Prof. Mihir Kanti Chaudhuri*  
*Vice Chancellor, Tezpur University*

### ADVISORY COMMITTEE

*Prof. Ashok Kumar, Dean School of Sciences*

### COORDINATOR

*Prof. Shashi Baruah*  
*Dept. of MBBT, Tezpur University*

### CO- COORDINATOR

*Dr. S. K. Ray, Head of the Dept.*

### MEMBERS

*Dr. M. Mandal*  
*Dr. S. P. G. Ponnamp*  
*Dr. A. N. Jha*  
*Dr. R. Mukhopadhyay*  
*Dr. N. D. Namsa*  
*Dr. M.V. Satish Kumar*  
*Dr. S. Dasgupta*  
*Dr. J. P. Saikia*

## DBT INSTITUTIONAL BIOTECH HUB

### WORKSHOP ON

## “Basic Techniques in Microbiology”

**November 11<sup>th</sup> – 16<sup>th</sup>, 2016**

### ORGANIZED BY

Department of  
Molecular Biology and Biotechnology  
Tezpur University, Tezpur  
Assam - 784028



### SPONSORED BY

***Institutional Biotech Hub***  
Tezpur University  
&  
***Department of Biotechnology***  
Govt. of India

## ABOUT THE DEPARTMENT

The Department of Molecular Biology and Biotechnology (MBBT) was inaugurated on July 24, 1997. The department offers two-year M.Sc. degree in Molecular Biology and Biotechnology, 5 year Integrated M.Sc. in Bioscience and Bioinformatics and Ph.D. in Molecular Biology and Biotechnology. **The objective of the Department is to contribute to the advancement of the emerging areas of basic and applied Life Sciences and to create trained manpower in the field of Molecular Biology and Biotechnology.**

## ABOUT BIOTECH HUB and THE WORKSHOP

The setting up of a separate Department of Biotechnology (DBT), under the Ministry of Science and Technology in 1986 gave a new impetus to the development of the field of modern Biology and Biotechnology in India. Since its inception, DBT has put in efforts for popularization and advancement in Biotechnology. In its yet another attempt to strengthen Biotechnology in India, it has started with a new project called, **'Establishment of Institutional level Biotech Hubs'**. **The objective of Institutional Biotech Hub is to conduct trainings and workshops in areas related to Biotechnology.** For the purpose of fulfillment of this sole objective, the workshop on **'Basic Techniques in Microbiology'** is being conducted by Dept. of Molecular Biology & Biotechnology, Tezpur University. The workshop is designed to impart training in basic microbiology techniques, namely sterilization, preparation of media, plating and inoculation, staining procedures, identification and enumeration of bacterial count. The techniques learnt could be applied in basic research and in microbiology laboratories.

## SCHEDULE

### Day 1, 11<sup>th</sup> November, 2016

- ❖ Registration and distribution of the registration kits.
- ❖ Lectures on
- ✓ Basics of Microbiology
- ✓ Types of media and media preparation
- ✓ Contamination and aseptic techniques

### Day 2, 12<sup>th</sup> November, 2016

- ❖ Sterilization of glasswares & plasticwares
- ❖ Preparation of media
- ❖ Sterilization of media

### Day 3, 13<sup>th</sup> November, 2016

- ❖ Plating and Slant preparation
- ❖ Inoculation
- ❖ Spread Plating and Streaking
- ❖ Inoculation of Slants

### Day 4, 14<sup>th</sup> November, 2016

- ❖ Gram Staining and observation of slides
- ❖ Use of differential media
- ❖ Inoculation of MacConkey Agar plates
- ❖ Dilution plating

### Day 5, 15<sup>th</sup> November 2016

- ❖ Count of Colony Forming Units (CFU)
- ❖ Observation of MacConkey Plate

### Day 6, 16<sup>th</sup> November, 2016

- ❖ Feedback from the participants
- ❖ Closing remarks and distribution of Certificates

## REGISTRATION

**Date of registration:** Last date of registration is

**31<sup>st</sup> October, 2016.**

- ❖ Registration is free

## ELIGIBILITY

The workshop is open for UG and PG students of Tezpur University and of Science Colleges in Tezpur.

**Total intake - 10**

**Selection will be on first come first basis**  
(Preference will be given to students of PG courses)

## CORRESPONDENCE

Registration forms will be available on the University website. Completely filled registration forms should be sent to the following address **on or before 31<sup>st</sup> October, 2016-**

[sbaruah@tezu.ernet.in](mailto:sbaruah@tezu.ernet.in)  
[neela@tezu.ernet.in](mailto:neela@tezu.ernet.in)