

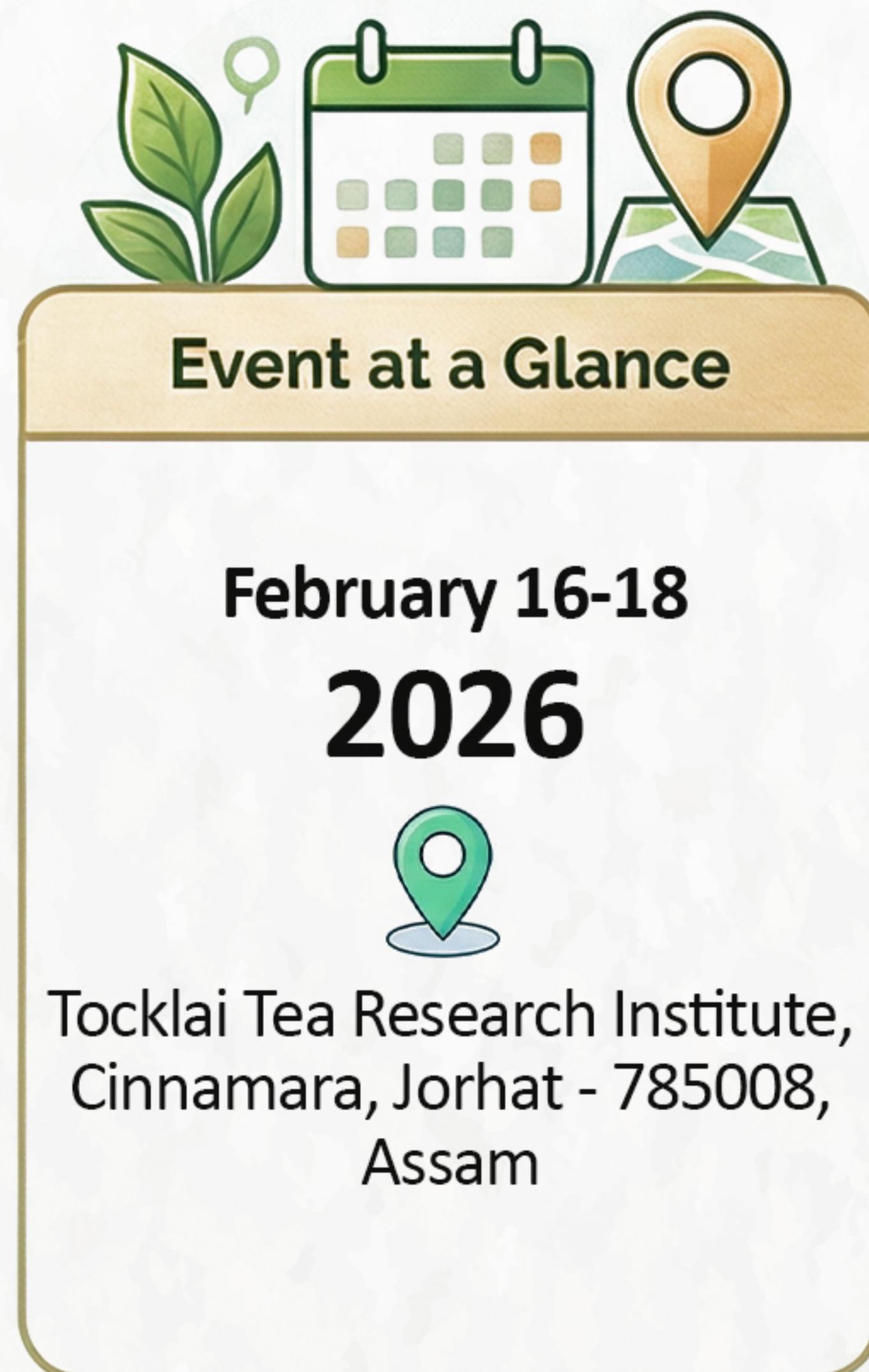
**SPONSOR**

**Department of Health Research**  
**Ministry of Health and Family Welfare**  
**Government of India**

सत्यमेव जयते

**ORGANISER**

[www.tocklai.org](http://www.tocklai.org)

**How to Apply**

Register and submit a No  
Objection Certificate

(HOD/Dean/Supervisor of  
the participant)

Last date of application:  
20<sup>th</sup> January 2026



Scan this QR Code to Register  
\*Registration is free for all candidates  
\*Accommodation will be provided

**Hands-on Workshop**

# Food & Nutrition

*With Special Emphasis on in-Vitro  
Genotoxicology Assays*



This upcoming workshop focuses on Food and Nutrition with special emphasis on in-vitro genotoxicology assays, an essential tool for effective risk assessment and the development of safer, more sustainable edible products. You will gain valuable insight into the importance of genotoxicity testing and learn convenient, practical approaches for conducting these studies using cell line models. The programme offers comprehensive exposure to OECD and WHO-recommended methodologies, including the Cytokinesis-Block Micronucleus (CBMN) assay for genotoxicity analysis in human epithelial cell lines, followed by advanced techniques such as the COMET assay and  $\gamma$ H2AX testing using qPCR analysis - equipping you with critical skills at the forefront of modern toxicological research.



**FOOD & NUTRITION**  
**Genotoxicity**



**Advance your  
Research  
in Food and Nutrition  
Safety**

Learn OECD &  
WHO-recommended  
methods for genotoxicity  
testing in a cell line model

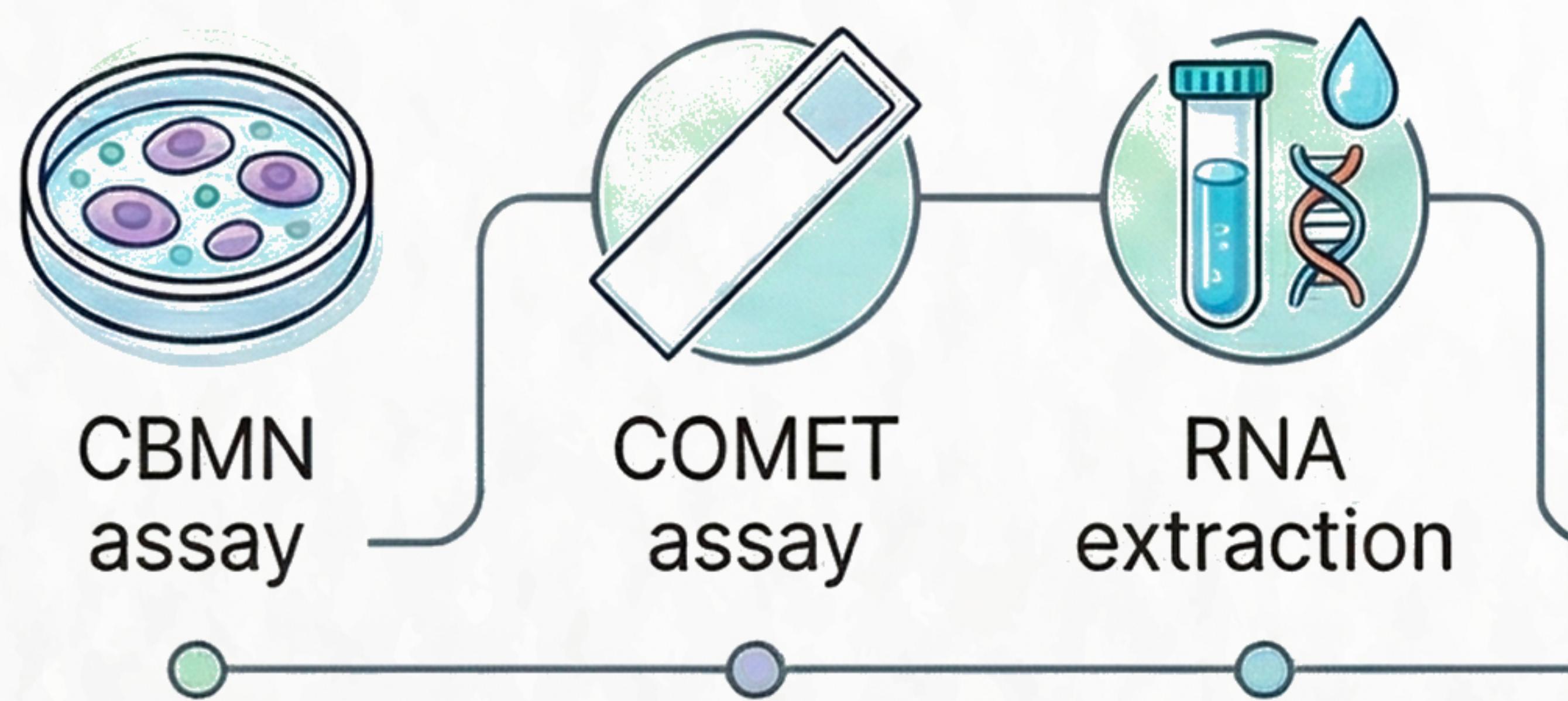
**Who can attend**

Faculty members and  
scientists working in  
government or private  
institutes, colleges,  
universities, and NGOs

Research  
Scholars/Project Fellows  
and professionals who  
are pursuing or have  
completed Ph.D., MD,  
M.Pharm, M.Tech, or  
M.Sc. programmes

**\* Limited Seats:** Only 20 participants | Admissions will be granted on a first-come, first-served basis

## Gain Hands-On Skills in Key Assays



## Core Skills & Application

### 16 February 2026

#### Dr. Jagadish Mahanta, MD

Emeritus Scientist, Chair & Former Director  
ICMR – Regional Medical Research Centre NE Region,  
Dibrugarh  
Topic: Dietary Influence on Chronic and Metabolic Diseases

#### Scientist, Division of HRD

Department of Health Research (DHR)  
Topic: DHR Program on Research Capacity Strengthening to Disseminate Knowledge and Create Awareness among Medical and Non-Medical Students, Faculty, and Researchers

#### Dr. Ravindra M. Samarth

Assistant Professor & AcSIR Faculty  
ICMR-BMHRC, Bhopal (DHR, MoHFW, Govt. of India)  
Topic: Genotoxicity Tests for Biomonitoring of Toxicants – Special Emphasis on Chromosomal Abnormalities and

## Program Module

- Cell line-based Cytokinesis Block Micronucleus Assay (CBMN)
- Microscopic counting of genotoxicity biomarkers.
- Single Cell Electrophoresis Assay (COMET Assay)
- ImageJ-based COMET counting
- RNA Extraction
- cDNA preparation
- Real-time q-PCR-based gene expression.

### 17 February 2026

#### Prof. Anju Barhai Teli

Head of the Department, Biochemistry  
Jorhat Medical College & Hospital, Jorhat  
Topic: *Linking Gut Microbiota to Metabolic Health: From Diet to Disease*

#### Dr. Devojit Kumar Sarma

Scientist – D & AcSIR Faculty,  
ICMR- National Institute for Research in Environmental Health, Bhopal,  
Topic: *Genoprotective Effects of Tea Polyphenols Against Pesticide-Induced DNA Damage in Human Lymphocytes*

#### Organizing Secretary

Dr. Pritom Chowdhury, Scientist

✉ pritomc@tocklai.net

#### Convener

Dr. Sangeeta Borchetia, Scientist

📞 +91 9435705469

#### Co-Convener

Ms. Diksheeta Sharma, Ph.D. Scholar

📞 +91 8638015689

#### Communication & Media

Mr. Rituraj Sharma

#### Information Technology

Mr. Kashyap Dutta

#### Advisory Committee

Dr. Venkatesan Selvaraj  
Director, Tea Research Association  
Tocklai Tea Research Institute

Mr. Dibyajit Buragohain  
Deputy Director Administration  
Tocklai Tea Research Institute

Dr. Santanu Sabhapandit  
Scientist, Tocklai Tea Research Institute

#### Working Committee

Ms. Bonani Hazarika  
Mr. Paritosh Baruah  
Ms. Karabi Gogoi  
Ms. Rinki Borah

### 18 February, 2026

#### Prof. Md. Kamaruz Zaman

Department of Pharmaceutical Sciences, Dibrugarh University, Dibrugarh, Topic: Nutraceutical & Pharmaceutical potential of Garcinia species of Assam with emphasis on Diabetic Neuropathy.

#### Important Milestones & Dates

