

## Workshop Schedule

### Day 1 - 23 Oct. 2023

#### Lecture

Cancer Genomics- Introduction and Case examples.  
Cancer Syndromes and Genetic Counselling.  
Sanger sequencing, chromatogram reading & data analysis.

### Day 2 - 24 Oct. 2023

#### Lecture

Databases related to Cancer.

#### Dry lab

Databases and Annotation of Variants.

### Day 3 - 25 Oct. 2023

#### Lecture

Principles and Practices of Laboratory Genetic Testing.  
Genetics and Screening in Gastric Cancers.  
TP53 gene sequencing, variants and databases.

### Day 4 - 26 Oct. 2023

#### Lecture/ Dry Lab

Analysis of data gathered by NGS / Sanger sequencing.  
Drafting Genetic Testing Reports.

### Day 5 - 27 Oct. 2023

#### Lecture

Sanger Sequencing wet lab protocols and trouble shooting.

#### Wet lab

Setting up Sanger sequencing reaction: Checking Template  
- PCR product on agarose gel, cleaning up of template,  
setting up cycle sequencing and loading on sequencer.

### Day 6 - 28 Oct. 2023

Trouble shooting, Any left-over experiments, Q & A, Feed back  
& Certificate distribution

## National Level Workshop on Cancer Genetic Screening, Resources and Diagnostic Applications

**23 -28 Oct. 2023**

*Organized by*



DBT- Advanced Level State  
Biotech Hub,  
Mizoram University  
Mizoram



Department of Biotechnology  
Ministry of Science and Technology  
Government of India,  
New Delhi

### **Address for Communication**

**Prof. N. Senthil Kumar**  
Coordinator- Advanced State Biotech Hub  
Mizoram University  
Aizawl - 796004. Mizoram  
Mobile: 9436352574  
E-mail: nskmzu@gmail.com

National Level Workshop on Cancer Genetic Screening,  
Resources and Diagnostic Applications

23 – 27 October 2023

Mizoram University, Aizawl – 796004

Registration Form

Name : \_\_\_\_\_

Gender : \_\_\_\_\_

Date of Birth : \_\_\_\_\_

Educational Qualification: \_\_\_\_\_

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

Department / Division \_\_\_\_\_

Affiliation / Institute: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Mobile : \_\_\_\_\_

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

Signature of the Applicant

(Signature of the Authority)  
Seal

**Last date**

The last date to receive applications:  
**18 October 2023.**

**Selection of workshop participants**

The workshop will be limited to a maximum of 8 participants.  
Researchers and Faculty working in the area of cancer genetics are invited to attend.

**Registration**

There is no registration fee.  
Participation certificate will be provided

# About Us

**Mizoram University** was established on 02 July 2001 as a Central University. The objectives of the University is "to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit, to make provisions for integrated courses in humanities, natural and physical & social sciences, forestry and other allied disciplines in the educational programs of the University; to take appropriate measures for promoting innovations in teaching- disciplinary studies and research; to educate and train manpower in the development of the state of Mizoram; and to pay special attention to the improvement of the social and economic conditions and welfare of the people of the State, their intellectual, academic and cultural development".

Mizoram University was accredited 'A' grade by NAAC in 2019-24.

The **DBT- Advanced State Level Biotech Hub** is the state-of- the-art facility in Mizoram funded by Department of Biotechnology, New Delhi with an objective "A stride towards Population Well-being and Personalized Healthcare". The broader objectives are to strengthen the capacity to undertake research in Human Diseases Genomics/Biomedical Sciences, specifically to involve in Addiction and disease related research; to promote education & research for development and transfer of knowledge systems; to attract students to build their career in different fields of Biology/ Biotechnology.

## Chief Patron:

**Prof. Dibakar Chandra Deka**

*Vice Chancellor, Mizoram University, Mizoram*

## Patrons:

**Prof. Lalnundanga**

*Registrar, Mizoram University, Mizoram*

**Prof. Vanlalchhawna**

*Finance Officer, Mizoram University, Mizoram*

## Organizing Secretary:

**Prof. N. Senthil Kumar**

*Coordinator - DBT Advanced State Biotech Hub  
Department of Biotechnology, Mizoram University*

## Organizing Committee:

**Prof. John Zothanzama, Head, Dept of Biotechnology, MZU**

**Prof. G. Gurusubramanian, Head, Dept of Zoology, MZU**

**Prof. R. Muthukumar, Head, Dept of Chemistry, MZU**

**Dr. H. Lalhruitluanga, Dept of Biotechnology, MZU**

**Dr. Lalremmawia, RA, DBT- Advanced State Biotech Hub**

**Dr. Alex Zohmachhuana, RA, DBT-Advanced State Biotech Hub**