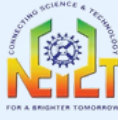




स्वास्थ्य अनुसंधान विभाग  
Department of Health Research  
स्वास्थ्य और परिवार कल्याण मंत्रालय  
Ministry of Health and Family Welfare



# OmicsBioApp

Department of Health Research (DHR), Sponsored

## 4 Weeks Comprehensive Training on Omics for Biomedical Application

CSIR-NEIST, Jorhat

21 November

to

20 December

2024



**Organized by:** CSIR-North-East Institute of Science and Technology (CSIR-NEIST), Jorhat

### About the Program

Omics technologies have revolutionized our understanding of human health and disease. North Eastern Region (NER) of India holds immense potential for biomedical research, but its medical faculty and biomedical researchers lack essential R&D knowledge, skills, and access to facilities and expertise on modern omics technologies and tools, limiting NER's ability to address key health and disease challenges. This area-specific hands-on training program aims to develop, upgrade and equip health research personnel, medical faculty, scientists and young researchers of NER engaged in biomedical research with knowledge and skills of genomics, metagenomics and transcriptomics technologies and bioinformatics tools. Through expert guidance and advanced genomics infrastructure, the program will foster a transformational step, promoting genomic medicine in healthcare research and practices in the NER region.



### Training Modules

- General**
  - Module A:** Research & Methodology
- Basic**
  - Module B:** Lab Practices (Safety & Instrumentation)
  - Module C:** Omics Technology & Its Applications
- Advanced**
  - Module D:** Hands-on Bioinformatics Tools for Omics Data
  - Module E:** Hands-on Genome, Metagenome & Transcriptome Sequencing
  - Module F:** Hands-on Omics Data Acquisition, Analysis, Visualization & Interpretation

### Training Features

- Expert-led interactive theory lectures.
- Interactive hands-on practical sessions.
- Access to state-of-the-art Next Generation Genomics Facility.



### Eligibility Criteria

- Clinicians, Medical Faculty, Scientists, Post-doctoral Fellows and Young PhD Researchers engaged in Biomedical Research.
- Applicants must be affiliated and working in a medical or research institute, college, or university located in any of the eight states of NER.

### Selection Procedure

Selection will be through a screening process based on qualifications and the relevance of the training to ongoing and future research needs.

### Program Highlights & Why Attend It

- **Focus:** Multi-Omics and Bioinformatics
- **Limited seats:** Only 25 selected participants
- **DHR-certified:** Training completion certificates
- **Application & training fees:** Nil
- **Travel expenses:** To be covered by participants
- **Accommodation:** Free, limited & on sharing basis
- **Food:** Will be provided

### Registration & Application

- Register & apply online via <https://neist.res.in/OmicsBioApp> or scan QR code.
- ONLY online applications are accepted.
- Timeline of application:
  - 1 **Application open:** 10 October 2024
  - 2 **Application deadline:** 24 October 2024
  - 3 **Selection list:** 31 October 2024



**For further details, please contact:**

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**About the Organizer**

CSIR-NEIST is a premier multi-disciplinary R&D institute in the North Eastern Region taking up various biotechnological, biomedical, and ethnopharmacological researches for health and environmental care. Its strong Genomics & Computational Core conducts genomics research in biomedical areas, including infectious diseases, pathogens genomics & surveillance, AMR, CRISPR-Cas genome editing, host microbiome, and big data analytics among others.



CSIR-NEIST Main Building



Auditorium



Conference Room



Audio-Visual Classroom



Next Generation Genomics Facility (NGGF)



For updates, visit <https://www.neist.res.in/>, <https://dhr.gov.in/> and [www.icmr.gov.in](http://www.icmr.gov.in)