



TRAINING PROGRAM ON SANGER SEQUENCING TECHNIQUE

We offer training twice in a year: *May and November*

**HANDS ON TRAINING ON SANGER SEQUENCING TECHNIQUES AND
SEQUENCING DATA ANALYSIS**

May 26-30, 2024

(Date will be announced after target number of participants registered)

Organized by

Centre for Advanced Research in Sciences (CARS), University of Dhaka, Dhaka-1000

Venue

Genetic Engineering and Biotechnology Research Laboratory, Centre for Advanced Research in Sciences (CARS), University of Dhaka, Dhaka-1000

All Correspondence should be addressed to

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Background

The advancement of genomics and bioinformatics methods have revolutionized research in basic and applied biological fields. Whilst molecular techniques have evolved at a speedy rate over the last few decades, the underlying biochemical principles behind the vast majority of them have actually changed a little.

Validation of molecular assays is an essential component of quality assurance. At the molecular level sequencing generates absolute proof of DNA alterations. For this reason, DNA sequencing remains an essential and powerful tool for molecular biologists. This course will highlight the power of DNA sequence information. Trainees will be trained according to an automated sequence protocol. These hands-on courses will empower the trainee with all the necessary theoretical and practical knowledge to use the tool of DNA sequencing to its fullest potential. The use of sequencing services will be useful, enabling analysts to generate sequencing data without owning a sequencer.

In this context a 5-day training program on “HANDS ON TRAINING ON SANGER SEQUENCING TECHNIQUES AND SEQUENCING DATA ANALYSIS” will be organized in **May 2024** at the Centre for Advanced Research in Sciences (CARS), University of Dhaka for empowerment of Human Resource in Genomics & Biotechnology

Activities.

Workshop Program

There will be theoretical lectures followed by intensive practical training (tentative program will be given after registration is completed) on, DNA extraction, PCR, Cycle sequencing, Sanger sequencing method and sequencing data analysis using software and finally discussion on sequencing troubleshooting and quiz exam. **University faculties, Scientists and Technical experts will conduct the workshop.**

Participant

Scientists/Researchers working in Universities, Research Organization and Pharmaceutical Companies may apply for participation in the training program. A maximum of **12 participants** will be selected from the received applications.

Registration

Application to participate in the training should be reached to the coordinator on or before **April 18, 2024**, in the prescribed proforma given in the circular. Application must be sent through the proper channel along with a training fee (mentioned) directly to the **Training Coordinator**. The training fee will include Registration, Training materials, Certification, Morning refreshments and Lunch.