



H.E. Ambassador
Sohail Mahmood
Secretary General D-8

D-8 Hands-On Training Workshop on Next-Generation Sequencing (NGS)

June 08-12, 2026



Dr. Syed Hussain Abidi (S.I.)
Chairman, PCSIR



Prof. Dr. Zulfiqar Ali
Vice Chancellor, UAF

Support Provided

Laboratory facilities, ONT sequencing platforms, reagents, accommodation, local transport, and meals will be provided by the host. International travel will be covered by nominating institutions; where feasible, D-8 may consider support for candidates from low-income Member States."

HOW TO APPLY

Required Documents

- Curriculum vitae
- Statement of interest
- Institutional endorsement letter, including commitment to cover international airfare

Important Dates

Application Submission
 Deadline: **May 25, 2026**
 Notification of
 Acceptance: **Juen 01, 2026**

Submission Link

Secretariat@developing8.org
 0(212) 312 29 30

About the Workshop

This one-week, laboratory-intensive training program is designed for scientists and early-career researchers from D-8 Member States. The workshop focuses on long-read, real-time sequencing using Oxford Nanopore Technologies (ONT) platforms, building on CAS-AFS's successful delivery of genome editing workshops and the D-8 Bioinformatics Bootcamp. A dedicated Sanger sequencing module will be conducted at PCSIR Lahore.

Focus Areas

- ONT sequencing
- Whole-genome sequencing
- Epigenomic analysis
- Transcriptomic analysis
- Sanger vs. NGS comparison

Topics

Orientation; Sequencing principles
 Library preparation
 Epigenomics and transcriptomics
 DNA barcoding
 Sequencing runs on ONT
 MinION/PromethION
 Sanger sequencing demonstration at PCSIR Lahore

Participants

Early-career scientists, young researchers, professionals and faculty in genomics, biotechnology, plant breeding, bioinformatics and related

Venue:

- **Center for Advanced Studies in Agriculture and Food Security, University of Agriculture, Faisalabad (UAF), Pakistan.**
- **Food and Biotechnology Research Center, PCSIR, Lahore.**



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