

ICGEB

Meetings and Courses 2023

24
28 July

Workshop "Hands on Training on multiple SARS-CoV-2 detection methods and further Application of sequencing and associated bioinformatics tools"



BiotechNet



Organiser:

Molalegne Bitew (Bio and Emerging Technology Institute, Addis Abeba, Ethiopia)

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Web <https://www.icgeb.org/sars-cov-2-detection-methods-workshop-ethiopia-2023/>

The workshop will cover cutting edge genomic approaches for the detection of SARS-CoV-2 and MTB. The training is mainly focuses to train scientists and professionals working in the eastern Africa region where these facilities are very limited. It is hands on training on DNA and RNA detection, NGS sequencing and associated bioinformatics. Topics will include:

- DNA and RNA extraction
- qPCR and RT-LAMP detection of the extracted nucleic acid
- Viral and bacterial Omics
- Hands on training on SARS-CoV-2 and MTB sequencing using illumina sequencer platform
- Bioinformatics like QC of NGS data
- Genome Assembly and alignment
- Variant identification for SARS-CoV-2
- Drug resistance detection for MTB

Participants

- Applicants need to be professionals working at the government Health Systems, Universities, Research Institutes of the east Africa region
- Chances for two applicants from Djibouti will be given
- Equal opportunity will be given to any of the citizens in the east Africa region
- If there are many applicants in one country academic merit will be one of the selection criteria
- Applicants with their prior study of Virology, Biotechnology, Molecular Biology, Laboratory medicine are most preferred.
- Female applicants will be encouraged.

Funding

- The Workshop will cover travel and lodging for participants coming from eastern Africa region, who are [ICGEB Member States](#) nationals residing outside of Ethiopia, working or studying on these pathogens
- Very limited funding will be available to cover transportation and lodging for local participants coming outside Addis Ababa.

Online application <https://isg.icgeb.org/auth/login>
Deadline 9 May 2023

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