



Remote Next Generation Sequencing Training for SARS-CoV-2: Thinking Inside and Outside the Box

ASLM2021 Satellite Session

Sponsor

Association of Public Health Laboratories

Date and Time

17 November 2021, 6PM-7PM GMT

Summary

This Satellite Session will focus on the virtual implementation of next generation sequencing (NGS) activities for Illumina and Oxford Nanopore sequencing platforms, specific for SARS-CoV-2. We will address creating, designing, and implementing a Workshop in a Box (WIBx), specific for both platforms. Additionally, the implementation of bioinformatic capacity building from a cloud-based and non-cloud-based methodology to complete genome assemblies with lineage calls and amino acid substitutions to inform the genomic surveillance for variant detection. Vignettes will be presented on country implementations with successes and challenges and opportunities for further collaboration in these training developments.

Learning Objectives

1. Participants will be able to describe the challenges and opportunities of virtual training for next generation sequencing
2. Participants will be able to compare and contrast the Workshop in a Box model with other virtual training
3. Participants will be able to identify opportunities for these trainings to be applied in other settings and for other diseases

Target Audience

Medical technicians, laboratorians, scientists, laboratory managers, and laboratory directors

Speakers

Dr. Toni Whistler (United States Centers for Disease Control and Prevention)

Dr. Noah Hull (Association of Public Health Laboratories)