

## Workshop:

# Implementation of novel laboratory diagnostics for emerging infectious diseases

19<sup>th</sup> and 20<sup>th</sup> of May 2021

13:00 – 17:00 BST

**Language:** English

A series of infectious diseases show late and/or similar signs and symptoms and can only be diagnosed based on laboratory tests. In the context of outbreaks, reference laboratories should be prepared to design and validate new assays to detect emerging and re-emerging infectious diseases.

*This workshop aims to provide concepts of verification, evaluation and validation strategies of novel laboratory diagnostics methods for rapid diagnosis and surveillance in new and ongoing outbreaks.*

### **Learning Objectives**

- A summarised portfolio of the available laboratory methods for infectious diseases
- A better understanding of verification, evaluation and validation procedures
- An overview of the necessary infrastructure, equipment, personnel and material to implement a diagnostics laboratory
- Showcase of how to overcome the challenges in implementing diagnostics methods.

# Workshop Agenda

AGENDA Day 1 – 19 <sup>th</sup> May (Wednesday)	
13:00-13:20	<p><b>Welcome message</b></p> <p>Professor Francine Ntoumi (PANDORA-ID-NET and CANTAM – FCRM, RoC)</p>
13:20-15:20	<p><b>Talk followed by Q&amp;A</b></p> <p><i>“Rapid development of reliable diagnostics for emerging infectious diseases”</i></p> <p>Speakers Dr Marta Suárez and Dr Devy Emperador (FIND, Switzerland) Dr Alice Versiani (FAMERP, Brazil) Dr Palmer Netongo (ALERRT, Cameroon) Dr Madison Stark (Co-Diagnostics Inc, USA)</p>
15:20-15:40	<b>Coffee Break</b>
15:40-16:45	<p><b>Talk followed by Q&amp;A</b></p> <p><i>“Setting up a mobile laboratory: advantages and challenges”</i></p> <p>Jacqueline Agbukor (ISTH, Nigeria)</p>
16:45-17:00	<b>Closing Remarks and thank you</b>

AGENDA Day 2 – 20 <sup>th</sup> May (Thursday)	
13:00-13:10	<p style="text-align: center;"><b>Welcome and Opening remarks</b></p>
13:10-14:15	<p style="text-align: center;"><b>Talk followed by Q&amp;A</b>  <i>“Verification, validation, and evaluation of a novel diagnostic test”</i>            Dr Jackie Duggan (PHE RIPL, UK)</p>
14:15-15:20	<p style="text-align: center;"><b>Talk followed by Q&amp;A</b>  <i>“Quality assurance and quality control during emergency response”</i>            Dr Collins Otieno (ASLM, Ethiopia)</p>
15:20-15:35	<b>Coffee Break</b>
15:35-16:30	<p style="text-align: center;"><b>Interactive Session</b>  <i>“Case study – diagnosis of unknown emerging infectious diseases”</i></p>
16:30-17:00	<p style="text-align: center;"><b>Final Quiz</b>  <b>Closing Remarks and thank you</b></p>