

**Rapid, reliable nucleic acid analyses** are increasingly important for large-scale medical decisions, as is illustrated by the current COVID-19 pandemic. Medical decisions critically rely on accurate, informative and timely measurement results. While widely used quantitative real-time PCR results are scientifically not very comparable, more involved procedures such as digital PCRs and next generation sequencing methods are often too time-consuming for wide-scale application in diagnostic test laboratories. Rigorously designed, commutable reference materials and -procedures can help to alleviate the situation when used as common anchor points.

**Key questions** in light of a pandemic are:

- **What are future needs for reference measurement procedures and reference materials for reliable nucleic acid analyses?**
- **How to overcome barriers to the increased use of metrologically traceable calibrators?**

This workshop connects Swiss and European in vitro diagnostics (IVD) developing and manufacturing stakeholders with the metrological community. The workshop aims at reducing perceived barriers between the respective fields: It highlights benefits as well as limitations of metrological traceability in the context of the multitude of measurement challenges as e.g. emerging from the use of nucleic acids as diagnostic markers. The present workshop extends on the annual meeting of the European Metrology Network for Traceability in Laboratory Medicine, and thus provides an ideal platform for personal and informal interaction between IVD industry and metrology partners.

## 23 June 2022, UTC+2

### 09:30 Welcome & Introduction

10:15 Industry Needs - WHO Standards – Roche

### 10:45 Coffee Break

11:10 Infectious Threats and Pandemic Preparedness – IFIK / PTB

11:40 Brute Force Approaches – FGCZ / ETHZ

### 12:10 Networking Lunch

13:15 Clinical Genomics and Standards

13:45 EMN TraceLabMed - Introduction

### 14:15 CoffeeBreak

14:45 Pandemic Preparedness and New Reference Materials

### 15:15 Panel Discussion and closing Remarks

16:00 Behind the Scenes - Laboratory Tour METAS

16:30 End



## Workshop on the future of nucleic acid metrology



Schweizerische Eidgenossenschaft  
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METAS, Bern-Wabern, Switzerland

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