

## 10. Scaling TB testing networks: challenges and practical solutions that impact case detection rates

**THE 46<sup>TH</sup> UNION  
WORLD CONFERENCE  
ON LUNG HEALTH**

CAPE TOWN, SOUTH AFRICA  
2-6 DECEMBER 2015

Friday, 04 December 2015, 17:30 - 18:45

Room BR East-Westin

Type of session	Sponsored Satellite Symposium
Track	TB diagnostics, including molecular methods
Organised by	DNA Genotek
Description	This sponsored satellite symposium will cover the challenges involved in the implementation of flexible diagnostic algorithms in resource-limited settings. Significant challenges to large-scale implementation include sputum sample quality, transport issues, variable rates of contamination, complex workflows and algorithm adherence. Standardisation and optimisation of sputum samples are critical to addressing these challenges. Organisations will discuss their challenges and the tools they are implementing to impact their case detection rates today, while striving to meet the WHO's post-2015 goals.
Target audience	<ol style="list-style-type: none"> <li>1. Ministries of health</li> <li>2. NGOs</li> <li>3. clinicians, laboratory professionals and researchers</li> </ol>
Objectives	<ol style="list-style-type: none"> <li>1. Understand the main challenges in scaling and standardising TB testing networks</li> <li>2. Discuss potential solutions to overcome these challenges</li> <li>3. Discuss tools to impact algorithm adherence and cost reductions and to decrease time-to-results</li> <li>4. Discuss molecular testing from primary sputum samples to provide same-day drug susceptibility results</li> <li>5. Discuss tools to enable whole genome sequencing directly from primary sputum samples</li> </ol>
Keywords	National/supranational networks; scaling testing networks; case detection rates; sputum sample quality
Coordinator(s)	Cassandra Kelly-Cirino (Canada)
Chair(s)	Max Salfinger (USA), Lesley Scott (South Africa)
Presentations	<p><b>17:30 - 17:45</b> Challenges in implementing efficient TB diagnostic networks at the national and supranational level: perspectives from the Italian SRL Daniela Maria Cirillo (Italy)</p> <p><b>17:50 - 18:05</b> Constraints and challenges of specimen transport in resource-constrained settings Sabira Tahseen (Pakistan)</p> <p><b>18:10 - 18:25</b> Challenges and proven solutions to increase TB case detection in resource-limited settings Janet Robinson (Thailand)</p> <p><b>18:30 - 18:45</b> Regional perspectives on scaling TB testing networks</p>