Session N.02059

13. Advancing to the next level of molecular testing for Mycobacterium tuberculosis (MTB)

The Union

THE 46TH UNION WORLD CONFERENCE ON LUNG HEALTH

CAPE TOWN, SOUTH AFRICA
2–6 DECEMBER 2015

Friday, 04 December 2015, 07:30 - 08:45

Room BR East-Westin

Type of session	Sponsored Satellite Symposium
Track	TB diagnostics, including molecular methods
Track2 (optional)	Drug resistance determination - molecular and phenotypic
Organised by	Abbott
Description	This scientific symposium seeks to address the current challenges to control tuberculosis and multidrug resistance which, are particularly pressing in high-TB and high-HIV burden settings. Increasing resistance levels and rates of treatment failures in high-disease-burden countries are of major concern. Conventional methods for detecting MTB and MTB drug resistance require long TAT (weeks to months) to produce results. Rapid and high-throughput molecular assays using real-time PCR for detecting MTB and identification of Rifampicin and Isoniazid resistance have been recently developed and are under intensive real-world evaluation.
Target audience	**1.** Clinicians, health programme workers, researchers **2.** Advocates, public health professionals **3.** Policy-makers involved in the testing and treatment of TB patients
Objectives	**1.** To learn from the leading experts about a novel molecular diagnostic test for TB: Abbott RealTime MTB and RealTime MTB RIF/INH - a genotypic assay that can detect both RIF and INH resistance individually **2.** The clinical impact of the detection of hetero-RIF/INH and INH-mono-resistance on treatment success/failure, recurrence, and acquisition of further resistance will be discussed
Keywords	TB diagnostics
Coordinator(s)	Prinisha Naicker (South Africa), Aldo Canosci (South Africa)
Chair(s)	Harald Hoffmann (Germany), Neil Martinson (South Africa)
Presentations	**07:30 - 07:35** Introduction Harald Hoffmann (Germany) **07:35 - 07:55** High throughput molecular TB testing: experience with the Abbott RealTime MTB and INH/RIF assay Lesley Scott (South Africa) **08:00 - 08:20** High sensitivity of Abbott RealTime MTB and MTB RIF/INH resistance assays Wallis Carole (South Africa) **08:25 - 08:45** Testing for INH resistance: a clinical perspective Nazir Ismail (South Africa)