

**14. From specimens to outcome: new information for molecular diagnosis**  
**Saturday, 05 December 2015, 10:30-12:00**

Chair(s): Joseph NIKISI (Zambia), Kenneth CASTRO (USA)

Track: TB diagnostics, including molecular methods

- OA-403-05**      **Diagnostic accuracy of the Xpert® MTB/RIF cycle threshold level to predict smear positivity in respiratory samples: a systematic review and meta-analysis**  
10:30-10:40  
B Lange, Me Balcells, R Blakemore, N Lemaitre, Jj Palacios, J Teo, G Theron, K Kranzer (*Germany, Chile, South Africa, UK*)
- OA-404-05**      **Implementation of Xpert® MTB/RIF under India's National TB Control Program**  
10:40-10:50  
S Dhawan, S Mannan, A Sangwan, S Chadha, A Sreenivas, C N Paramasivan, Ks Sachdeva, N Kulshreshtha (*India, Switzerland*)
- OA-405-05**      **Triplicate versus single sputum samples improves sensitivity for efficacy determination in studies of anti-tuberculosis regimens**  
10:50-11:00  
A Diacon, E Van Brakel, N Lounis, P Meyvisch, B Van Baelen, T De Marez, E Jenkins, B Dannemann (*South Africa, Belgium, USA*)
- OA-406-05**      **The impact of routine Xpert® MTB/RIF on empirical TB treatment in Cape Town, South Africa**  
11:00-11:10  
S Hermans, J Caldwell, R Kaplan, R Wood (*South Africa*)
- OA-407-05**      **Preservation of sputum samples with cetylpridinium chloride for tuberculosis cultures and Xpert® MTB/ RIF in low-income countries**  
11:10-11:20  
H Hiza, B Doulla, M Sasamalo, F Mhimbira, J Hella, L Jugheli, L Fenner (*Tanzania, United Rep., Switzerland*)
- OA-408-05**      **Development of a multiplex real-time PCR assay for detection of Mycobacterium tuberculosis from sputum collected in PrimeStore MTM®**  
11:20-11:30  
L Daum, Sa Worthy, Jd Rodriguez, R Peters, B Fourie, G Fischer (*USA, South Africa*)
- OA-409-05**      **The effect of automated nucleic acid amplification assays on mortality in routine care settings: meta-analysis of individual participant data**  
11:30-11:40  
A Khaki, G Di Tanna, K Fielding, G Theron, M Nicol, K Dheda, G Churchyard, J Metcalfe (*USA, UK, South Africa*)
- OA-410-05**      **A pilot proficiency testing program for Xpert® MTB/RIF using dried tube specimens**  
11:40-11:50  
K Klein, K Degruy, C Hatcher, H Alexander (*USA*)
- 11:50-12:00      Discussion