

05. Zoonotic TB session I - Trends, diagnostics and infections models

**THE 46TH UNION
WORLD CONFERENCE
ON LUNG HEALTH**

CAPE TOWN, SOUTH AFRICA
2-6 DECEMBER 2015

Friday, 04 December 2015, 10:30 - 12:00

Room MR 2.41-2.43

Type of session Symposium

Track Zoonotic TB

Description While Mycobacterium tuberculosis complex (MTC) is the primary causal agent of human TB worldwide, the incidence of zoonotic TB caused by Mycobacterium bovis, the causal agent of bovine TB (bTB), and mycobacteria other than MTC is underestimated and yet to be fully understood, especially in the developing world. The main challenge lies with Mycobacterium specie-unspecific diagnostics currently used in most of the high-TB burden countries. Despite this challenge, it has been estimated that in Africa alone approximately 70,000 zoonotic TB cases occur per year. This symposium will address all aspects of zoonotic TB

Target audience

1. Physicians, nurses, microbiologists, tuberculosis epidemiologists and pathologists
2. Public health specialists, veterinarians, scientists interested in tuberculosis
3. Professors of human and veterinary medicine, policy makers, donors

Objectives

1. To address the challenges posed by zoonotic TB through a dialogue between medical and veterinary fields
2. To create global awareness of zoonotic TB and its impact on public health
3. To highlight the progress in TB diagnostics, vaccines, and infection models
4. To identify areas of synergy in preventing and controlling zoonotic TB

Keywords Zoonoses; tuberculosis; public health; zoonotic TB; socio-economic

Coordinator(s) Adrian Muwonge (Uganda), Francisco Olea-Popelka (USA)

Chair(s) Francisco Olea-Popelka (USA), Adrian Muwonge (Uganda)

Presentations

10:30 - 10:40 Zoonotic tuberculosis in India: challenges and opportunities
Krishna Prasad Hanumanthappa (India)

10:45 - 10:55 Rapid bTB: a novel lateral flow test able to differentiate Mycobacterium bovis and Mycobacterium tuberculosis in sputum
Irene Grant (UK)

11:00 - 11:10 Ferrets: a small animal model for zoonotic tuberculosis transmission
Frederick Quinn (USA)

11:15 - 11:25 How zoonotic tuberculosis is laying new ground for approaches in Mycobacterial research in Tanzania
Rudovick Kazwala (Tanzania, United Rep.), Sayoki Godfrey Mfinanga (Tanzania, United Rep.)

11:30 - 11:40 Prevalence, molecular epidemiology and risk factors of tuberculosis infection among cattle and livestock workers in Nigeria
SIMEON Cadmus (Nigeria)

11:45 - 12:00 Discussion