

# 04. Tuberculosis and diabetes: from evidence to action

Thursday, 30 October 2014, 08:00 - 10:00

Room 113



**Type** Symposium

**Track** Tuberculosis

**Topic** TB and non communicable diseases/co morbidities (non HIV)

**Description** The alarming growth of type 2 diabetes poses a serious threat to tuberculosis (TB) management worldwide. People with diabetes have three times the risk of developing active TB compared with the non-diabetic population. There is an urgent need for basic knowledge to help understand and control the intertwined epidemics of TB and diabetes. This session will provide an overview of possible mechanisms underlying the association between TB and diabetes, clinical guidance to manage the two conditions, updates on bi-directional screening in a range of settings and a discussion on TB-diabetes policy.

**Target audience** National TB programme managers, clinicians, policy-makers, scientists, nurses, public health administrators interested in TB management and collaboration with diabetes programmes, TB researchers, non-communicable disease programme managers

**Objectives**

1. To provide an overview of TB-diabetes collaborative activities and their implementation in several settings
2. To discuss the possible mechanisms that underlie an increased susceptibility of patients with diabetes to TB
3. To provide information on field studies on TB and diabetes in four sites as part of the TANDEM project
4. To discuss the latest evidence on the clinical management of TB and diabetes
5. To discuss progress in implementation of TB-diabetes standards in the Pacific Islands setting

**Keywords** Tuberculosis; diabetes mellitus; bi-directional screening, basic science, clinical management

**Coordinator(s)** Kerri Viney (Australia), Richard Brostrom (USA)

**Chair(s)** Anthony David Harries (UK), Reinout Van Crevel (Netherlands)

**Presentations**

**08:00 - 08:15** TB-diabetes collaborative activities- from evidence to action  
Anthony David Harries (UK)

**08:15 - 08:30** Possible mechanisms underlying increased susceptibility of diabetes patients to TB  
Reinout Van Crevel (Netherlands)

**08:30 - 08:45** TANDEM; field studies on TB and diabetes mellitus in Peru, South Africa, Romania and Indonesia  
Rovina Ruslami (Indonesia)

**08:45 - 09:00** TB-diabetes collaborative activities in China  
Yan Lin (China)

**09:00 - 09:15** TB-diabetes collaborative activities in India  
Ajay Kumar (India)

**09:15 - 09:30** Beyond screening: clinical management of concurrent TB and diabetes  
Anca Riza (Romania)

**09:30 - 09:45** Progress in implementation of the TB-diabetes standards in the Pacific Islands  
Richard Brostrom (USA)

**09:45 - 10:00** Discussion