



## Joint Symposium 8

Inflammation and Infection Committee

**Wednesday, October 23, 08:00 - 09:30**

### Session Title

**Are We Ready to Fight Global Infectious Diseases?**

### Chairpersons

**Lucia Leccisotti** (Rome, Italy)

**Johannes Nemeth** (Zurich, Switzerland)

### Programme

08:00 - 08:30 **Johannes Nemeth** (Zurich, Switzerland): Tuberculosis in the 21<sup>st</sup> Century: Challenges and Opportunities

08:30 - 09:00 **Letjie Maserumule** (University of Pretoria, South Africa): State-of-the-art imaging in tuberculosis and HIV

09:00 - 09:30 **Sanjay Jain** (Baltimore, USA): Novel tracers and imaging approaches for tuberculosis and HIV

### Educational Objectives

1. To provide an overview of the epidemiology of TB and HIV and the challenges worldwide
2. To discuss the role of state-of-the-art imaging in diagnosing and response assessment of TB and HIV
3. To provide an overview of promising new radiotracers and imaging approaches for evaluating TB and HIV.

### Summary

Tuberculosis (TB) remains the leading cause of death from a single infectious agent and is the leading cause of death among people living with HIV. An estimated 1.2 million TB deaths among HIV-negative people and an additional 200.000 deaths in HIV-positive people have been reported in the 2020 global tuberculosis report by the World Health Organization.

This joint symposium will illustrate recent research breakthroughs and challenges to reduce TB incidence worldwide, and will discuss the current evidence and emerging data on the role of morphological and nuclear imaging for diagnosing, assessing disease activity and treatment monitoring in patients with TB and HIV.

### Key Words

Infectious diseases; nuclear imaging; tuberculosis; HIV