

The Tuberculosis Pandemic – a Call to Action

Science, application, politics

PROGRAMME

Tuesday, 21 March 2023

08:45 Registration / virtual check-in

Update on the TB Epidemic, Poverty and Politics

Moderators: Sonia Borrell and Christian Auer, Swiss TPH

09:00 Welcome, *Jürg Utzinger, Director, Swiss TPH*

09:05 Introductory Remarks *Lucica Ditiu, Executive Director, Stop TB Partnership*

09:10 TB in the World Today: Update on the Epidemic and TB Control Efforts *Anna Dean, WHO Geneva*

09:50 The Burden of TB: DALY, Socioeconomic Consequences, Stigma *Christian Auer, Swiss TPH*

10:20 Coffee Break (15 minutes)

10:35 A Patient Story *Rhea Lobo, TB survivor and member of the Stop TB Working Group on New Vaccines*

10:45 TB, Poverty, Inequality *Delia Boccia, WHO Geneva and London School of Hygiene and Tropical Medicine*

11:15 TB Advocacy *MSF and Global Coalition of TB Activists*

11:35 Global Plan to End TB – How Can We End TB and How Much it Will Cost, *Lucica Ditiu, Stop TB Partnership and Peter Sands, Executive Director, the Global Fund*

12:05 The TB Caucus: It's Mission, *Nick Herbert, Co-Chair, TB Caucus and Member of Parliament of the UK, and Alesia Matusevych, TB Caucus*

12:25 The TB Caucus in Germany: Recent Activities, Impact, *Stephan Albani, TB caucus and member of German Parliament (tbc)*

12:45 Reaction from a Swiss Politician, the UNION and WHO, *Eva Herzog, Member of Swiss Parliament (others tbc)*

13:00 Lunch Break (1 hour)

Science: Understanding the Biology

Moderator: Tiffany Bouchery (Swiss TPH)

14:00 Features of *M. tuberculosis* - Understanding the Basics/LTBI, *Alberto García-Basteiro, Centro de Investigação em Saúde de Manhiça, Mozambique and Instituto de Salud Global de Barcelona, Spain*

14:30 Ecology and Evolution of MDR-TB, *Sébastien Gagneux, Swiss TPH*

15:00 Advances in Mycobacterium Tuberculosis Genomics to Inform TB Control, *Iñaki Comas, Tuberculosis Genomics Unit, Instituto de Biomedicina de Valencia, Spain*

15:30 Coffee Break (20 minutes)

15:50 Dissecting Immune Responses along the Spectrum of Tuberculosis ex vivo in a Human 3D Granuloma Model, *Damien Portevin, Swiss TPH*

16:20 TB Basic Biology: the Host, *Carolyne King, Department of Biomedicine, University of Basel, Switzerland*

16:50 TB Basic Biology: the Pathogen, *Margarida Saraiva, Life and Health Sciences Research Institute, University of Minho, Braga, Portugal*

17:20 TB and Diabetes *Dorothy Yebuoh-Manu, Noguchi Memorial Institute for Medical Research, Ghana*

17:50 End of Day 1

Wednesday, 22 March 2023

From Science to Impact

08:45 Check-in and Welcome

Moderator: Claudia Daubenger, Swiss TPH

09:00 **TB Diagnostics: Newer Tools and Outlook**, *Morten Ruhwald, FIND, Geneva*

09:30 **Active Case Finding, Community Screening**, *Klaus Reither, Swiss TPH*

10:00 **TB Vaccines: Candidates and Outlook**, *Tom Scriba, University of Cape Town, South Africa*

10:30 **Coffee Break (30 minutes)**

11:00 **The Emerging Phenotype of Ancestral Tuberculosis**, *Bouke de Jong, Institute of Tropical Medicine, Antwerp, Belgium*

11:30 **The Current TB Drug Trial Landscape and the Need for Capacity Development**, *Nestani Tukvadze, National Center for Tuberculosis and Lung Diseases, Georgia*

12:00 **Paediatric TB**, *Nicole Ritz, Luzerner Kantonsspital and Universitätskinderspital beider Basel*

12:30 **Lunch Break (1 hour)**

TB in Special Populations and Health Systems

Moderator: Astrid Knoblauch and Xavier Bosch-Capblanch (Swiss TPH)

13:30 **TB Treatment and Drug Development – the Value of Cohort Studies**, *Jerry Hella, Ifakara Health Institute, Tanzania*

14:00 **TB / HIV**, *Peter McPherson, London School of Hygiene and Tropical Medicine and Malawi Liverpool Wellcome Trust*

14:30 **Host Specificity in Human and Animal Tuberculosis through the Lens of Genomics**, *Daniela Brites, Swiss TPH*

15:00 **Coffee Break (30 minutes)**

15:30 **TB in Prisons**, *Jason Andrews, Stanford Medicine, USA*

16:00 **TB and Health Systems**, *Ernesto Jaramillo, WHO Geneva*

16:30 **TB Care and Health System Interventions**, *Bertie Squire, Liverpool School of Tropical Medicine, (others tbc)*

17:00 **Wrap-up**, *Klaus Reither and Sébastien Gagneux, Swiss TPH*

17:10 **End of Symposium**