

Program at a glance
2nd AASM
(25-28 Feb 2017
Isfahan, Iran)



Saturday 25th Feb 2017 (8:30-18:30)

Session 1

8.30 -9:30	Registration
9:30 -10:00	Quran & Opening ceremony

Time	Title of oral presentation	Speakers (country)
Symposium 1	Tuberculosis in Children	
10:00-10:20	Tuberculosis in children	Ali Akbar Velayati (Iran)
10:20- 10:40	Incidence of tuberculosis among children living in contact with smear-positive tuberculosis: Advantages and limits of the Quantiferon TB gold in tube test	Djohar Hannoun (Algeria)
10:40-11:00	Benefits and challenges of molecular diagnostics for childhood tuberculosis	Maria Cristina Gutierrez (Spain)
11:00-11:20	What can we learn from the past?—A pediatrician's view	Margareta Eriksson (Sweden)
11:20-11:40	Update on multidrug-resistant tuberculosis in children	Hendrik Simon Schaaf (South Africa)
11:40-12:00	Effective testing for pulmonary tuberculosis using Xpert MTB/RIF assay for stool specimens in immunocompetent Pakistani children	Zahra Hasan (Pakistan)
12:00-12:15	Contribution of the Xpert MTB/RIF assay to the diagnosis of pulmonary tuberculosis in a West African childhood tuberculosis clinic	Abigail Ayorinde (Gambia)
12:15-12:30	The difficulties of childhood tuberculosis diagnosis	Amel Meriem Djouahra (Algeria)

➤ Chairs

- Ali Akbar Velayati (Iran)
- Fadila Boulahbal (Algeria)
- Margareta Eriksson(Sweden)
- Zahra Hasan (Pakistan)
- David.L.Dolinger(Switzerland)

➤ Coordinator

Maria Cristina Gutierrez (Spain)

Session 2

12:30–12:40	Question time
12:40–14:00	Lunch

Time	Title of oral presentation	Speakers (country)
Symposium 2	Threats to achieving tuberculosis control program	
14: 00–14:15	Complex emergencies in the Eastern Mediterranean Region: Impact on tuberculosis control	Akihiro Seita (Japan)
14:15–14:30	Collaboration between tuberculosis control programs and the action plan for tackling antimicrobial resistance: An opportunity in the Eastern Mediterranean Region	Rumina Hasan (Pakistan)
14: 30–14:45	TB: Is urbanization a threat or an opportunity ?	Babar Mumtaz (UK)
14:45- 15:00	Situational analysis of tuberculosis control programs in the Eastern Mediterranean Region: Gaps and solutions	Samaha Baghdadi (Egypt)
15:00 15:15	Tuberculosis in vulnerable populations in Eastern Mediterranean Region—Implications for control	Sadia Shakoor (Pakistan)
15:15-15:30	HIV and tuberculosis trends and survival of coinfection in a referral center in Tehran: A 12-year study	Payam Tabarsi (Iran)
15-30:15:45	Nationwide HIV-, MDR-TB survey in Japan and collaborative study in the Philippines	Toshio Hattori (Japan)
15:45-16:00	Role of socio-demographical factors on tuberculosis outcome in Yemen	Amer Hayat Khan (Malaysia)
16:00- 16:10	Question time	–

➤ Chairs

- Alimuddin Zumla (UK)
- Majid Marjani (Iran)
- Rumina Hasan (Pakistan)
- Bhaskar Chinnaiyan Chetty Harinath (India)
- Daniela Cirillo (Italy)

➤ Coordinator

- Sadia Shakoor (Pakistan)

Session 3

Sunday 26th Feb 2017 (8:30-18:30)

Time	Title of oral presentation	Speakers (country)
Symposium 3	New Approaches for TB –treatment	
8:45- 9:00	Host-directed therapies for multidrug resistant tuberculosis	Matthew Bates (UK)
9:00-9:15	Effectiveness of a novel cellular therapy to treat multidrug-resistant tuberculosis	Aliaksandr Skrahin (Belarus)
9:15- 9:30	Application of highly portable MinION nanopore sequencing technology for the monitoring of nosocomial tuberculosis infection	Matthew Bates (UK)
9:30-9:45	Characterization of the CD4 and CD8 T-cell response in the QuantiFERON-TB Gold Plus kit	Delia Goletti (Italy)
9:45- 10:00	Next-generation sequencing-based user-friendly platforms for drug-resistant tuberculosis diagnosis: A promise for the near future	David Lee Dolinger (Switzerland)
10:00- 10:15	New approaches in drug treatment for tuberculosis: Inhalation using liposomes only a future vision or soon in clinical practice?	Lars-Olof Larsson (Sweden)

➤ Chairs

- Matthew Bates (UK)
- Robin M. Warren (South Africa)
- Malin Ridell (Sweden)
- Blessina Kumar (India)
- Poopak Farnia (Iran)

➤ Coordinator

- Kouassi Raymond N'GUESSAN (Côte d'Ivoire)

Session 4

10:15–10:20	Question time
10:20–10:30	Coffee –break

Time	Title of oral presentation	Speakers (country)
Symposium 4	Tuberculosis	
10:30-10:45	Reaching consensus on drug resistance conferring mutations	Daniela Maria Cirillo (Italy)
10:45-11:00	Impact of genotypic and phenotypic resistance to second-line anti-tuberculosis drugs on treatment outcomes in multidrug-resistant tuberculosis in China	Yi Hu (China)
11:00-11:15	Investigation of isoniazid and ethionamide cross-resistance by whole genome sequencing and association with poor treatment outcomes of multidrug-resistant tuberculosis patients in South Africa	Lesibana Anthony Malinga (South Africa)
11:15-11:30	<u>Genetic diversity, transmission dynamics, and drug resistance of <i>Mycobacterium tuberculosis</i> in Luanda, Angola</u>	JOAO RUBEN LUCAS MOTA PERDIGAOPORTUGAL DIAS JORDAO (Portugal)
11:30-11:40	Best approaches to drug-resistance surveillance at the country level	Andrea Maurizio Cabibbe (Italy)
11:40-11:50	Screening new tuberculosis patients in Mali for rifampicin resistance at 2 months	Bassirou Diarra (Mali)
11:50-12:00	Use of WGS in <i>Mycobacterium tuberculosis</i> routine diagnosis	Daniela Maria Cirillo (Italy)
12:00- 12:10	The majority of patients with multidrug-resistant tuberculosis in Sub-Saharan Africa present a concomitant resistance to pyrazinamide	Géraldine Daneau (Belgium)
12:10-12:20	Multi-Drug Resistant <i>Mycobacterium tuberculosis</i> and Associated Risk Factors in the Oromia Region of Ethiopia	Girma Mulisa Misgana (Ethiopia)
12:20-12:30	Xpert MTB/RIF for rapid detection of rifampicin-resistant <i>Mycobacterium tuberculosis</i> from pulmonary tuberculosis patients in Southwest Ethiopia	Mulualem Tadesse (Ethiopia)
12:30- 12:40	Ethambutol-resistance testing by mutation detection using MTBDRsl	Hasmik Margaryan (Armenia)

➤ Chairs

- Daniela Maria Cirillo (Italy)
- Sven Hoffner (Sweden)
- Dick Van Soolingen (Netherlands)
- Bushra Ali (Pakistan)
- Jaleleddin Ghanavi (Iran)

➤ Coordinator

- David Benjamin Pokam Thumamo (Cameroon)

Sunday 26th Feb 2017 (8:30-18:30)

Session 5

12:40–12:50	Question time
12:50–14:00	Lunch

Time	Title of oral presentation	Speakers (country)
Symposium 5	Clinical Tuberculosis	
14:00–14:20	What is in a cough?	Kevin Fennelly (USA)
14:20–14:40	New options in Tuberculosis Care: Visions for the future are crucial for controlling the disease	Malin Ridell (Sweden)
14:40–14:55	Personalized information system for the control of tuberculosis in resource-limited settings: A simplistic proposal approach	David Benjamin Pokam Thumamo (Cameroon)
14:55:15:10	Thoracic Surgical Interventions for DR-TB and their results	Ravindra Kumar Dewan (India)
15:10-15:25	Usefulness of pulmonary artery diameter in diagnosing pulmonary hypertension in patients admitted to tuberculosis intensive care unit	Seyed Mohammadreza Hashemian (Iran)
15:25-15:45	Post-tuberculosis pulmonary function and noninfectious pulmonary disorders	Muhammad Irfan (Pakistan)
15:45-16:00	Emotional distress patients with several types of tuberculosis. A pilot study with patients from the Sanatorium Hospital of Huambo	Bruno Peixoto (Portugal)
16:00-16:10	Question time	

➤ Chairs

- Ali Akbar Velayati (Iran)
- Matthew Bates (UK)
- Bhupendra Nath Tripathi (India)
- Igor Mokrousov (Russia)
- Pere-Joan Cardona (Spain)

➤ Coordinator

- Sadia Shakoor (Pakistan)

Session 6

Time	Title of oral presentation	Speakers (country)
Symposium 6		
Multi drug resistant tuberculosis (1)		
8:40- 9:00	Multidrug-resistant tuberculosis: The problem and some priorities in controlling it	Sven Hoffner (Sweden)
9:00–9:20	Whole genome sequencing as the ultimate tool to diagnose tuberculosis	Dick Van Soolingen (Netherlands)
9:20–9:40	Individualized treatment of multidrug-resistant tuberculosis using therapeutic drug monitoring	Mathieu S. Bolhuis (Netherlands)
9:40–9:55	Bedaquiline in the multidrug-resistant tuberculosis treatment: Belarus experience	Alena Skrahina (Belarus)
9:55- 10:10	Pathogenesis of multi drug-resistant and extensively drug-resistant tuberculosis as a determinant of future treatment success	Faramarz Valafar (USA)

10:10-10:20	Question time
10:20–10:30	Coffee –break

Session 7

Time	Title of oral presentation	Speakers (country)
Symposium 7		
Multi drug resistant tuberculosis (2)		
10:30–10:45	Identifying patients at high risk of tuberculosis recurrence	Ruxana Sadikot (USA)
10:45–11:00	Implementation of new tools for multidrug-resistant tuberculosis detection and control	Robin M. Warren (South Africa)
11:00–11:15	The emergence and spread of incurable tuberculosis in South Africa	Ruth Mcnerney (UK)
11:15–11:30	Emerging clones of Mycobacterium tuberculosis in Russia and Former Soviet Union countries: Beijing genotype and beyond	Igor Mokrousov (Russia)
11:30–11:45	New insights into the mechanism of action of pyrazinamide, implications for susceptibility testing and future regimens.	Richard M Anthony (Netherlands)
11:45–12:00	Pulmonary infections after tuberculosis	Kauser Jabeen (Pakistan)
12:00–12:10	Comparison of two molecular methods and an automated liquid culture system for the early detection of <i>Mycobacterium tuberculosis</i> from both pulmonary and extrapulmonary specimens in Kuwait	Eiman Maqdas (Kuwait)
12:10-12:20	Paying attention to the details in <i>Mycobacterium tuberculosis</i> : Strain-specific single-nucleotide polymorphisms and clonal variants	Dario Garcia de Viedma (Spain)

➤ Chairs

- Ali Akbar Velayati (Iran)
- Sven Hoffner (Sweden)
- Daniela Maria Cirillo (Italy)
- Ruth Mc Nerney (UK)
- Ruxana Sadikot (USA)

➤ Coordinator

- Lanfranco Fattorini (Italy)

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- Alimuddin Zumla (UK)
- Faramarz Valafar (USA)
- Malin Ridell (Sweden)
- David Lee Dolinger (Switzerland)

➤ Coordinator

- Mathieu S. Bolhuis (Netherlands)

Monday 27th Feb 2017

Session 8

12:20–12:30	Question time
12:30–14:00	Lunch

Time	Title of oral presentation	Speakers (country)
Symposium 8	Non tuberculosis Mycobacterium Infection	
14:00–14:15	Expression of inflammatory cytokine and inducible nitric oxide synthase genes in the small intestine and mesenteric lymph node tissues of pauci- and multibacillary sheep naturally infected with Mycobacterium avium ssp. paratuberculosis	Bhupendra Nath Tripathi (India)
14:15–14:30	Non-tuberculosis mycobacteria: Isolation from clinical samples in Iraq	Ruqaya Mustafa Ali (Iraq)
14:30–14:45	The First population structure and comparative genomics analysis of Mycobacterium africanum strains from Ghana reveals higher diversity of Lineage 5	Dorothy Yeboah Manu (Ghana)
14:45- 15:00	Mycobacterial coinfection and persisting bovine tuberculosis—Has the time arrived for a policy review?	Nader Mosavari (Iran)
15:00-15:15	Development of Escherichia coli and Mycobacterium smegmatis recombinants expressing major Mycobacterium tuberculosis-specific antigenic proteins	hanady A Alamoudy (Kuwait)
15:15-15:30	Comparative evaluation of diagnostic tests for the detection of Mycobacterium avium subsp. paratuberculosis in the tissues of sheep affected with distinct pathology of paratuberculosis	Ganesh G Sonawane (India)
15:30-15:45	<u>Evaluation the virulence of Mycobacterium bovis isolated from milk samples through histopathological study in laboratory animals</u>	Ihsan Mahdi Essa Al. Saqur (Iraq)
15:45–16:00		
16:00-16:10	Question time	

➤ Chairs

- Mohammad Arjomandzadegan (Iran)
- Bhupendra Nath Tripathi (India)
- Kevin Fennelly (USA)
- Umesh Datta Gupta (India)
- Leopold Tientcheu Djomkam (Gambia)

➤ Coordinator

- Amina Namma Thwaini Al-Hawal (Iraq)

Session 9

Time	Title of oral presentation	Speakers (country)
Symposium 9	Mycobacterial Infection (1)	
8:45-9:00	Importance of the α 10 helix for DevR activation: A road map for screening inhibitors against DevR-mediated dormancy of <i>Mycobacterium tuberculosis</i>	Atul Vashist (India)
9:00-9:10	Activity of drugs against dormant <i>Mycobacterium tuberculosis</i>	Lanfranco Fattorini (Italy)
9:10-9:20	Identification of novel <i>Mycobacterium tuberculosis</i> dihydrofolate reductase inhibitors through rational drug design	Mymoona Akhter (India)
9:20-9:30	Alternate efflux pump mechanism may contribute to drug resistance in extensively drug-resistant isolates of <i>Mycobacterium tuberculosis</i>	Zahra Hasan (Pakistan)
9:30-9:40	Association of slow recovery of <i>Mycobacterium africanum</i> -infected patients posttreatment with high content of Persister-Like bacilli in pretreatment sputum	Leopold Tientcheu Djomkam (Gambia)
9:40-9:50	Development of the food supplement Nyaditum resae as a new tool to reduce the risk of tuberculosis development.	Pere-Joan Cardona (Spain)
9:50-10:00	Morphological changes in experimental tuberculosis resulting from treatment with quercetin and polyvinylpyrrolidone	Tatyana Butova (Ukraine)

➤ **Chairs**

- Daniela Maria Cirillo (Italy)
- Zahra Hasan (Pakistan)
- Dick Van Soolingen (Netherlands)
- Bhaskar Chinnaiha Chetty Harinath (India)
- Babar Mumtaz (UK)

➤ **Coordinator**

- Amer Hayat Khan (Malaysia)

Session 10

10:00-10:10	Question time
10:10-10:30	Coffee-break

Time	Title of oral presentation	Speakers (country)
Symposium 10	Mycobacterial Infection (2)	
10:30-10:45	Antimycobacterial activity of medicinal plants against the causative agent of buruli ulcer: <i>Mycobacterium ulcerans</i>	Rodrigue Keumoe (Cameroon)
10:45-11:00	In vitro antimycobacterial activity and toxicity of eight medicinal plants against pathogenic and non-pathogenic mycobacterial strains	Joseph Mwanzia Nguta (Ghana)
11:00-11:15	Antimycobacterial activity assessment of three ethnobotanical plants against <i>Mycobacterium Tuberculosis</i> : An <i>In Vitro</i> study	Mohammad Arjomandzadegan (Iran)
11:15-11:30	Antimycobacterial activity of selected medicinal plants extracts from Cameroon	Valerie Flore Donkeng Donfack (Cameroon)
11:30-11:45	Efficacy and safety of quercetin and polyvinylpyrrolidone in treatment of patients with newly diagnosed destructive pulmonary tuberculosis in comparison with standard antimycobacterial therapy	Dmytro Butov (Ukraine)
11:45-12:00	Yield of mycobacteriological study in diagnosis of pleural tuberculosis among Human immune deficiency virus-infected patients	Majid Marjani (Iran)
12:00-12:15	Mycobacterial excretory secretory-31 protein with serine protease and lipase activities: An immunogen and drug target against tuberculosis infection	Bhaskar Chinnaiha Chetty Harinath (India)

12:15-12:30	Question time
12:30-15:30	Lunch time & Closing ceremony

➤ **Chairs**

- Joao Ruben Perdigo (Portugal)
- Nader Mosavari (Iran)
- Mihan Pourabdollah (Iran)
- Yi Hu (China)
- Maria Cristina Gutierrez (Spain)

➤ **Coordinator**

- Anand Kumar Maurya (India)