9th Scientific Symposium on the occasion of World Tuberculosis Day 2015
Berlin

Preliminary Program

Tuberculosis control and prevention –
Vaccination, prophylaxis and public health interventions

Aim and content
Together with HIV/AIDS and malaria, tuberculosis still belongs to the three big killers of humanity, accounting for approximately 1.5 million deaths per year. Although the millennium development goal number 6 aimed at reducing TB numbers by 50% in 2015 compared to the situation in 1990, TB is still a global health emergency. Especially in the WHO European Region, we are far away from reaching MDG No. 6, and this has to be discussed in detail after analyzing the situation in 2015, the endpoint of the MDG time frame. Two major obstacles prevented us from improving the situation: increasing numbers in multidrug-resistant cases and HIV-TB comorbidity. Successful treatment of these cases becomes more and more impossible. Thus, preventive strategies and most of all an efficient vaccine are urgently needed. The 9th Scientific Symposium of the Koch-Mechnikov-Forum on the occasion of World Tuberculosis Day 2015 will therefore focus on current developments in vaccine research, preventive and public health measures in TB control and overall strategies to efficiently fight the disease.

Organization
The 9th Scientific TB Symposium is co-organized by the Koch-Mechnikov-Forum (KMF) and the Tuberculosis Vaccine Initiative (TBVI).
Scientific organizing committee:
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Executive Director, TBVI
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Venue
KARL-STORZ GmbH & Co. KG, Besucher- und Schulungszentrum Berlin, Scharnhorststraße 3, 10115
Berlin, Germany

Time
Tuesday, March 17, 2015: opening, first scientific day; reception;
Wednesday, March 18, 2015: scientific symposium, second scientific day

Partners
The 9th Scientific TB Symposium is organized in cooperation with: WHO-Euro, Copenhagen; Stop TB Partnership; Stop TB Forum Germany, Berlin; Charité University Medicine, Berlin; Central Tuberculosis Research Institute, Moscow, Russia; Institute for Public Health, Ministry of Health, Moscow, Russia; Department of Tuberculosis of the Smolensk State medical academy, Smolensk, Russia; The Ural Research Institute for Phthisiopulmonology, Yekaterinburg, Russia; Institute for Phthisiopulmonology Chiril Draganiuc, Moldova.

Supporters
KMF and TBVI acknowledge financial support of the following partners:
Becton Dickinson Diagnostics, Hain Lifesciences, vfa, Otsuka, Janssen, GSK

From 2014, the Koch-Mechnikov-Forum organizes the tuberculosis symposia on occasion of the World Tuberculosis Day in close cooperation with the World Health Summit. Its results will be reported and discussed at the next World Health Summit in Berlin, held in October 2015.
Preliminary program:

Tuesday, March 17, 2015

14.00h Introductory presentation
T. Ulrichs, Koch-Mechnikov-Forum, Berlin: How TB influenced fine arts

14.20h Welcome remarks and political framework
Chair: T. Ulrichs, Berlin
H. Hahn, Koch-Mechnikov-Forum (KMF), Berlin
N. Drager, Tuberculosis Vaccine Initiative (TBVI)
S. Ehsani, WHO European office, Copenhagen
J. Kickbusch, World Health Summit, Berlin
I. A. Vasilyeva, Tuberculosis specialist of the Russian Federal Government, CTRI Moscow
T. Bauer, German Central Committee Against Tuberculosis (DZK), Berlin

Scientific Day 1: General overview, TB situation

14.40h Session 1: The TB problem from different perspectives
Chairs: N. Drager, TBVI; T. Ulrichs, KMF
S. Ehsani, WHO-Euro, Copenhagen: Epidemiology of TB in the WHO European Region, strategies and plans
A. Lallemand, RKI, Berlin: Prevalence of drug resistance in foreign-born TB patients in Germany and among TB patients in the country of origin: are they similar?
The example of Turkey (2005-2010) and Russia (2010-2011)
C. Ehlers, Take that TB, Borstel, Germany: title to follow (patient’s perspective)
S. Dietrich, MSF Berlin: title to follow (NGO’s perspective on TB control)
H. Dockrell, London School of Hygiene and Tropical Medicine (LSHTM): The Challenge of Tuberculosis and Diabetes mellitus Comorbidity

16:40h Coffee break

17.10h Session 2: How to eliminate TB
Chairs: N. Drager, TBVI, H. Hahn, KMF
C. Lienhardt, Global TB Program, WHO Geneva: The pathway to eliminate TB – why we need new tools
C. Denkinger, Foundation of innovative new diagnostics (FIND), Geneva: Recent developments and new prospects in TB diagnostics development
S. Cole, Ecole polytechnique fédérale de Lausanne: The TB drug development pipeline: half-full or half-empty?
S.H.E. Kaufmann, MPI for Infection Biology, Berlin: Recent developments and future prospects in TB vaccine development

18.30h Reception

Wednesday, March 18, 2015

**Scientific Day 2: In-depth scientific program: public health, diagnostics, drugs, vaccines**

9.00h **Session 3: Vaccine development**

*Chairs: S.H.E. Kaufmann, MPI-IB; H. Hahn, KMF*

S.H.E. Kaufmann, MPI-IB, Berlin: The promises of the new TBVAC2020 project
B. Fritzell: Challenges in clinical evaluation of new TB vaccines
S. Stenger, University Hospital Ulm: Principles and approaches of discovering new vaccine antigens
L. Grode, Vaccine Project Management (VPM), Hanover: VPM1002 clinical development, TPP

10.20h Coffee break with poster viewing

10.50h T. Evans, Aeras: An update on the use of the NHP model in TB vaccine research
C. Martin, University of Zaragoza: Attenuating Mycobacterium tuberculosis for the development of new TB vaccines
H. Dockrell, LSHTM, London: Developments in new TB biomarkers
A. Apt, Central TB Research Institute (CTRI), Moscow: Mycobacteria and phagocytes: Neutrophils make a lot of difference

12.10h Lunch break with poster viewing
13.30h  **Session 4: Public health and prevention: country experiences, best practice examples**

**Chairs:** A. Skrahina, Minsk; T. Ulrichs, KMF


N. Krutikova, T. Avdeeva, T. Legonkova, Department of tuberculosis of the Smolensk State Medical University, Smolensk: New opportunities to improve early diagnostics and organize proper prevention of tuberculosis in the region with high prevalence of TB (KMF - Smolensk State Medical Academy Pilot Project).

A. Skrahina, TB-Institute, Minsk: New challenge for Belarus: overlapping HIV and M/XDR-TB epidemics

V. Crudu, L. Domente, V. Vîlc, Institute for TB control Chiril Draganiuc, Chisinau: High rate of nosocomial transmission of *M. tuberculosis* Ural 163-15 lineage causing MDRTB among hospitalized patients

D. Vakrusheva, Institute for Phthisiopulmonology, Yekaterinburg: Epidemiological significance of *Mycobacterium tuberculosis* located on the surfaces of items of nosocomial environment

I. Medvinsky, Institute for Phthisiopulmonology, Yekaterinburg: Working with patients of risk groups is a keystone of pulmonary tuberculosis prevention

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15.10h  Coffee break with poster viewing

15.40h  **Session 5, Diagnostics**

**Chairs:** N. Drager, TBVI; C. Denkinger, FIND

C. Denkinger, FIND, Geneva: Addressing bottlenecks in TB diagnostics development

D. Hillemann, Hain Lifesciences, Nehren: Trends in TB Diagnostics


D. Storm, Becton-Dickinson-Diagnostics, Heidelberg: Molecular Methods detecting higher rate of MDR - How to make the demanded 2nd Line Drugs Susceptibility Test easier in the lab routine

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17.00h  Coffee break with poster viewing
17.30h  **Session 6: TB drugs**
Chair: S. Cole, Ecole polytechnique fédérale de Lausanne; T. Bauer, DZK
S. Cole: Towards a new combination therapy
S. Borghorst, Janssen Company/Johnson & Johnson: The use of Bedaquiline in the treatment of multidrug-resistant tuberculosis in Germany
N. Hittel, Otsuka: title to follow (delamanid)

18.30h  Wrap-up and end of the symposium
Poster session (preliminary list):

Contributions from Smolensk

1. N. Pavlyuchenkova, A. Krikova, T. Ushivets "Tuberculosis drugs used in the TB Departments of Hospitals of the Penitentiary System in the Smolensk region", Smolensk State Medical Academy, Russia

2. I. Alimova, O. Novikova, N. Yacheykina "Opportunities and results of tuberculin diagnostics in children and adolescents with bronchial asthma", Smolensk State Medical Academy, Russia.

3. V. Berezin, N. Korotkaya "Mycobacterium tuberculosis infection as a risk factor for endothelial dysfunction in fatty children", Smolensk State Medical Academy, Russia.

4. E. Rashkevych, T. Myakisheva "New approaches to the detection and prevention of tuberculosis in children in the Smolensk region", Smolensk State Medical Academy, Russia.

5. Legonkova, T. Myakisheva, O. Shtykova, G. Krivonosova, A. Zhigalova "Improvement of tuberculosis diagnostics in children with bronchial and pulmonary diseases, Smolensk State Medical Academy, Russia

6. N. Osipova, V. Zaitseva, O. Kozyrev "Support of adaptive social and psychological status of patients with tuberculosis infection: opportunities volunteers’ support", Smolensk State Medical Academy, Smolensk, Russia.

7. V. Zaitseva, N. Osipova, K. Bocharova "Prevention of social disadaptation in TB patients", Smolensk State Medical Academy, Smolensk, Russia.

8. S. Sereda, N. Osipova, T. Myakisheva, T. Avdeeva "Formation and development of public awareness on prevention of tuberculosis infection", Smolensk State Medical Academy, Smolensk, Russia

9. T. Avdeeva, T. Myakisheva, A. Teshchenkov, P. Shumilov "Tuberculosis infection and development of rheumatoid diseases in children", Smolensk State Medical Academy, Smolensk, Russia; the Department of Clinical Pediatrics of Pirogov Russian National Research Medical University (RNRMU)


11. N. Krutikova, A. Zhukova “Bone density in children with tuberculosis infection”.