Biographies of the members of the Guideline Development Group for the

**WHO Guideline for the treatment of drug-resistant tuberculosis**

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1. **Farhana AMANULLAH**

   **Name**    Farhana Amanullah

   **Affiliation**    The Indus Hospital and the Aga Khan University Hospital

   **Current position:** Consultant Pediatrician and Director Pediatric TB Program

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   **Brief biography**

   I am an American Board Certified Pediatrician and Pediatric Nephrologist trained at the Children's Hospital, Harvard Medical School in Boston. My involvement in Child TB started in 2007 when I joined the Indus Hospital, a free tertiary care unit serving an immediate underprivileged population of over 2.5 million. I joined the WHO Child TB core group in 2011, around the same time the Indus Hospital
Pediatric TB Program became the largest private child TB reporting center in the region. I have served as a Child TB expert and provided Technical Assistance in Indonesia, Kenya, Pakistan, Thailand and Afghanistan. I have helped conduct a rapid assessment of Pediatric TB in Pakistan with TB Alliance. I was a reviewer for the WHO child TB guidance 2014. I have helped acquire funding and initiate a mass child TB screening project in rural Pakistan that has resulted in a 175% increase in TB case detection since implementation. I recently joined the WHO Global TB Department’s guideline development group and will be involved in the update of the drug-resistant TB section and the child TB component of the ethics section. I am working on a project funded by a grant from the Harvard Foundation, in which we hope to evaluate an enhanced screening and treatment program in Drug resistant TB households in Karachi, Pakistan.

2. Gustavo BASTOS

Name:         Luis Gustavo do Valle Bastos
Affiliation:   Management Sciences for Health (MSH)
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Brief biography
Luis Gustavo do Valle Bastos is a senior technical advisor for MSH with the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program based in Arlington, VA. Before joining MSH, Dr. Bastos worked for more than 10 years as a physician for the Ministry of Health of Brazil. He was instrumental in assessing and updating the Brazilian Tuberculosis (TB) guidelines on diagnosis, treatment, prevention and standard procedures for health care facilities. He has had a major role in developing a web based information and surveillance platform (e-TB Manager) that manages TB and drug-resistant TB (DR-TB) that are adapted and implemented in 11 countries in South America, Africa, Asia and East Europe under national TB programs (NTPs). He has led the team for development and implementation of an electronic desktop downloadable tool (QuanTB) for accurate forecasting, quantification and early warning of TB medicines that has been implemented in 14 countries in Africa, Asia and East Europe. Dr. Bastos has a master’s degree in Lung Diseases, medical and technical expertise in tuberculosis (TB) and malaria, and is fluent in English, Spanish and Portuguese.

3. José Caminero

Name         Proffesor Jose A. Caminero, MD
Affiliation
- Pneumology Department. General Hospital of Gran Canaria “Dr. Negrin”. Las Palmas GC. Spain
- MDR-TB Unit. International Union against Tuberculosis and Lung Disease (The Union). Paris, France

Current position
- Assistant Physician of the Pneumology Department. General Hospital of Gran Canaria “Dr. Negrin”. Las Palmas GC. Spain
**Relevant functions:**

- President Scientific Committee of the Spanish Society of Pneumology and Thoracic Surgery (SEPAR) from 1994 to 1998
- Staff Consultant The union 1996-current
- MDR-TB Unit Coordinator The Union 2006-current
- Green Light Committee member 2002-2013
- Professor of the University of Las Palmas (Spain) from 2012

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**Brief biography**

Jose A. Caminero is working as a Chest Physician in the University Hospital “Dr. Negrin” (Las Palmas, Spain) from 1986 until now.

He joined The Union in 1996 and he has worked, in the different fields of the TB, in practically all the Latin American countries. Moreover, in the last 10 years he has worked intensively in the control of the MDR-TB in many countries of Asia, Africa and Latin America, including those with the highest burden of the disease like India, China, Indonesia, Philippines, South Africa, Mozambique, Ethiopia, Zimbabwe, Namibia, Botswana, Peru, Mexico and practically all the Latin American countries. He has worked specially in the clinical training of the Specialist Physicians of these different countries and also offering “in situ” and online technical assistance. He has worked in the control of TB and MDR-TB in more than 40 countries.

As Chest Physician he always has worked very linked to the management of the MDR-TB patients and, from 2002 until 2013 has been a member of the Green Light Committee (GLC). AS GLC member has advised more than 50 countries around the world.

He has published more than 180 articles, more than 90 in English journals. Also he has edited the Tuberculosis Guide for Specialist Physicians (The Union, 2004), the book Tuberculosis (Spanish, co-editor with V. Farga) and, more recently, The Union Guide for the Clinical and Operational Management of patients with Drug-Resistant Tuberculosis. He has edited also other 4 books, associated with tuberculosis and lung diseases.

Dr. Caminero has imparted more than 600 conferences and lectures in International Congress and Meetings. Also he has received awards in many scientific societies, included the most prestigious of the Spanish Society of Pneumology and Thoracic Surgery (SEPAR), the lecture “Manuel Tapia”, in 2006.

**4. Tsira Chakhaia**

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<td>Affiliation</td>
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Brief biography
I am Tsira Chakhaia, Public Health Specialist with over 5 years of experience in public health, epidemiology, and clinical research mostly focused on Tuberculosis (TB). I hold higher education diploma from Tbilisi State Medical University, postgraduate diploma from Saint-Petersburg Postgraduate Medical Academy and Master's degree in Public Health from Braun School of Public Health & Community Medicine in the Hebrew University – Hadassah, Jerusalem, Israel. In 2010-2011 I worked as a public health specialist at the National Center for Tuberculosis and Lung Diseases (NCTBLD). I have experience in working for various public health projects related to TB including: coordinator of “Global Fund” project implemented by NCTBLD: “Improving Management of Resistant Tuberculosis in Georgia” (2011); Consultant of Treatment Adherence Monitoring of “Global Fund” Project implemented by NCTBLD: “Insuring Universal Access to Quality Treatment and Diagnosis of All forms of Tuberculosis Including Drug-resistant Tuberculosis in Georgia” (2011); Advocacy, Communication and Social Mobilization (ACSM) Advisor of USAID Georgia Tuberculosis Prevention Project (GTPP) implemented by University Research Co., LLC. Branch in Georgia (from 2011). I have extensive experience working with civil society organizations (CSOs) on different public health projects.

In addition, I am involved in different TB research projects. I was Principal Investigator of the studies: “Contact Investigation for Tuberculosis (TB) in Georgia, Tbilisi (Pilot Project) funded by the International Society for Infectious Diseases”. I am an author of a publication on TB contact investigation and co-author of several publications in international scientific journals. Currently I am clinical trial study coordinator.

Finally, I would like to mention that I have personal experience with TB disease, as I became a TB patient myself. During my treatment period I was trying to answer the questions I had as a Health Care Worker from the perspective of TB patient. After my personal experience, as the former TB patient, I have started to advocate OUR rights. For this purpose, I try to use every opportunity to share my experience to everybody who is involved in TB management, including decision makers, HCWs, representatives of CSOs and TB effected population. One of my biggest public speaking experiences was the speech about the challenges of TB treatment from the patient perspective at the 17th Wolfheze Workshops in Hague, the Netherlands.

In summary, currently I am public health specialist with personal TB experience and this experience helps me a lot while working on TB issues.

5. Daniela Cirillo

Name: Daniela Maria Cirillo MD PhD

Affiliation: Fondazione Centro San Raffaele

Current position:
- Head of Emerging Bacterial Pathogens Unit
- WHO collaborating Centre and TB Supranational Reference laboratory
- San Raffaele Scientific institute
Daniela Maria Cirillo MD, PhD, is a board certified clinical microbiologist, Head of the Emerging Bacterial Pathogens Unit at the San Raffaele Scientific Institute (HSR) in Milan, Italy since 2002. The main activities carried out by the Unit are research on new diagnostic for MDR/XDR-TB, M.tuberculosis pathogenesis, virulence markers and as WHO Tuberculosis SupraNational Reference Laboratory, providing technical assistance for implementation of new tools for tuberculosis diagnosis, Quality Assurance Programmes, molecular typing of and first and second line M tuberculosis drug sensitivity testing. Her laboratory is also a WHO collaborating Centre for Laboratory Strengthening and the Italian reference center for molecular typing of Mycobacteria.

Dr. Cirillo’s particular areas of expertise include clinical bacteriology and infection control, new diagnostic tools evaluation, molecular typing of Multidrug resistant Organisms, TB Laboratory strengthening, DRS and operational research protocols development, training packages development, research on new diagnostics for active and latent TB Infections, nosocomial infection. She and her collaborators provide technical support to the following Countries: Mozambique, Burkina Faso, Kosovo, Albania, Bulgaria, Turkey, Nigeria, Ivory Cost, Zanzibar, Turkey, Gibuti and Macedonia. International appointments: Co-Chair of the New Diagnostic Working Group of the StopTB partnership, Core Group elected member of the Global Drug Resistance Initiative (GDI) of the Stop TB Partnership-WHO, member of Global Laboratory Initiative. Member of the Scientific and Technical Advisory Board (STAG) 2011-2014 . Member of the Core Group of the ERLN-TB. She was the coordinator of two FP7 projects approved by the EU aimed at development of new diagnostic tools and at the development of an European network for study and clinical management of TB drug resistance. She serves as a peer reviewer for the International Journal of Tuberculosis and Lung Disease, European Respiratory Journal, Journal of Clinical Microbiology, Emerging Infectious Disease, Clinical Infectious Diseases.

6. Chuck Daley

Name: Charles L. Daley, MD

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Brief biography

Charles L. Daley, M.D., is Professor of Medicine at National Jewish Health (NJH) and the University of Colorado Denver. He is Chief of the Division of Mycobacterial and Respiratory Infections and Director of the Nontuberculous Mycobacteria (NTM) Center of Excellence at NJH. His academic interests include global health policy and clinical and translational research in tuberculosis and NTM.
Dr. Daley works closely with the World Health Organization (WHO) in the global control of drug-resistant tuberculosis. He is the current Chair of the Strategic and Technical Advisory Group (STAG)-TB. As Chair of the Global Drug Resistance Initiative, a working group of the Stop TB Partnership and advisory body to the WHO Global TB Department, he works to develop and implement strategies and policies to expand access to quality assured second-line drugs for the management of drug-resistant tuberculosis. He has served on expert panels for the WHO, Centers for Disease Control and American Thoracic Society.

7. Kelly DOOLEY

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Brief biography
Kelly Dooley is an Associate Professor of Medicine, Pharmacology, and Molecular Sciences at Johns Hopkins University School of Medicine with appointments in Clinical Pharmacology and Infectious Diseases. Dr. Dooley earned her M.D. degree from Duke University, an MPH in Epidemiology from UNC Chapel Hill, and a PhD in clinical investigation from the Johns Hopkins Bloomberg School of Public Health. She completed fellowship trainings in Clinical Pharmacology and Infectious Diseases. She has an HIV outpatient practice and attends on the inpatient HIV service at Johns Hopkins Hospital. Her research focuses on tuberculosis therapeutics with an emphasis on Phase I or II clinical trials of new or existing TB drugs and treatment of HIV/TB co-infection. She is Principal Investigator or Protocol Chair for several clinical trials involving TB drugs for drug-sensitive TB or drug-resistant TB and is involved in the scientific committees of the Tuberculosis Trials Consortium, AIDS Clinical Trials Group, and IMPAACT networks. She has a special interest in optimizing TB drugs for special populations, including children and pregnant women, and severe TB such as TB meningitis.

8. Michel Gasana

Name Dr Michel GASANA
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Brief biography
Dr Michel GASANA, MD, MPH (Health Policy and Organization of Health Services from the Institute of Tropical Medicine, Antwerp, Belgium) brings over 25 years of multidisciplinary experience in Tuberculosis, public health, policy development and health management. He is leading from 2003 to now the National Tuberculosis Programme of Rwanda. Throughout his career, Dr Michel GASANA has developed a solid understanding of the health sector strengthening system, decentralizing TB
management activities at the health facilities level and integrating communities in TB control at the grassroots level.

He has been involved in many operational researches, attended different International conferences around the world and has been guiding Rwanda’s national TB program, based on scientific evidence to become a model of best practice. He initiated and implemented different strategies including TB/HIV integration activities, MDR-TB management activities and the involvement of TB Community Health Workers in the fight against TB countrywide. Dr Michel GASANA is a TB consultant for the WHO/African Region. He is currently a member of the STAG TB (Strategic and Technical advisory Group for TB). He was the President of the Africa Union Against TB and Other Respiratory Disease (The Union 2011-2013).

9. Agnes Gebhard

Name: Agnes Gebhard

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Brief biography

Agnes Gebhard MD and Public Health Specialist has 25 years of long term and short term in country assignments, first 10 years as a practicing medical doctor in a rural district hospital in Tanzania and promoting community health development in Vietnam, and since 2000 providing technical assistance on Public Health and TB control. In her work at KCNV since 2004 she has supported over 15 countries in 5 WHO regions in the strategic planning, design and implementation and monitoring of scale-up of Programmatic Management of Drug resistant TB, TB control in prisons and the use of new tools. From 2004 till 2012 she also was part-time TB doctor in The Netherlands. In addition, she contributes to global policy development, serving on the GLC from 2007 till 2011, an important period which marked the transition from pilot projects to scale-up in the context of integrated country PMDT programs. She currently is vice chair of the GDI Core Group. Her current focus is on strategic deployment of innovations towards TB elimination for adults and children, including the implementation of new diagnostics and the introduction of the shorter MDR regimen, new and repurposed drugs.

10. Armen Hayrapetyan

Name: Armen Hayrapetyan, MD, PhD

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Brief biography

I was born in 22 November 1974, in Echmiadzin, Armenia. In 1998, I have finished the Sanitary-Hygiene faculty of the Yerevan State Medical University. After it for 1998-1999, I have passed internship in Hygiene and Anti-epidemic center of the Ministry of Health. For 2002-2003, I have passed Clinical specialization as epidemiologist in NIH, MoH, Armenia.

From 2002 to 2006 I worked at the Department of Epidemiology of communicable and non-communicable diseases of the State Hygiene and Anti-epidemic Inspectorate as Head specialist, epidemiologist. Since 2006, I have passed Ph.D. Program of Epidemiology, which expected in 2007. My thesis title is "Issues of the epidemiological geography of countries neighbored with Armenia and sanitary protection of territory of the Republic of Armenia"

From 2005 to 2007, I worked as a WHO National Coordinator for Disaster Preparedness Programme in Armenia. Since August 2006 to 2011, I worked at the Health Project Implementation Unit SA, as “Human Health” Component Coordinator of the World Bank Avian Influenza Preparedness Project. Between 2011 and 2014, I worked at the National Tuberculosis Control Office of the Ministry of Health as a Director. Since 2014 to present, I am working at the National Tuberculosis Control Centre of the Ministry of Health as a Director.

I am a member of WHO Advisory committee for the development of the Tuberculosis Action Plan for the WHO European Region for 2016–2020, and author of more than 30 scientific articles and abstracts.

11. Antonia Kwiecien

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Brief biography

Antonia Kwiecien is a pharmacist from Canada currently working for the SIAPS Program at Management Sciences for Health in Arlington, Virginia, USA. In her role as a Senior Technical Advisor she provides technical support for the timely and rational introduction of new medicines and novel regimens for the treatment of tuberculosis. Her several decades of experience include the development and implementation of evidence based guidelines for the appropriate use of anti-TB medicines, managing the collection, processing, and analysis of medicine safety data worldwide, and implementing global HIV prevention studies.

12. Sundari MASE

Name: Sundari Mase
Affiliation: US CDC
Current position:
Medical Team Lead
Brief biography (1-2 paragraphs)

Dr. Sundari Mase joined CDC January, 2008 as the Medical Team Lead for the Field Services and Evaluation Branch in the Division of TB Elimination at the Centers for Disease Control and Prevention. Her area of expertise is MDR/XDR TB and she provides medical consultation and technical assistance for challenging MDR TB cases, contacts and investigations. Dr. Mase started her career in TB as a Medical Officer with the CA State TB Control Branch after completing medical school and residency at University of CA, San Francisco and working as an internist in private practice for 6 years. While at CA State she started up the state MDR TB consult service. She then became a regional MDR TB consultant for the Francis J. Curry International TB Center. She then served as Deputy Health Officer/TB Controller for Santa Clara County after which she was recruited to CDC. As Medical Team Lead, her duties also include serving as medical consultation liaison to the five CDC-funded Regional Training and Medical Consultation Centers, designing and implementing research studies, writing guidelines and policies, and supervising domestic field medical officer staff.

### 13. Lindsay McKenna

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**Brief biography**

As a project officer in TAG’s TB/HIV Project, Lindsay works with activists, research institutions, developers, and policy makers to expedite the development of and access to improved tools to fight TB and TB/HIV and to end the long-standing neglect of children in TB research and programs. Lindsay also works to ensure that new tools respond to community needs and that members of TB-affected communities are included in research. As part of this work, she coordinates the Global TB Community Advisory Board (TB CAB), a group of research-literate activists from around the world that acts in an advisory capacity to institutions conducting TB clinical trials.

Lindsay has worked directly with patients as a senior medical assistant at a women’s health practice and gained experience interacting with both policy implementers and community care providers as a volunteer in-service educator for the Baltimore City Health Department. Lindsay received her Master of Public Health with a focus on community health at SUNY Stony Brook. She has a Bachelor of Arts in public health studies from the Johns Hopkins University, where she served as the undergraduate
liaison to an anti-sex-trafficking student activist group, mobilized resources for pediatric cancer research, and played varsity field hockey.

14. Nguyen Viet Nhung

Name: A/ Prof. Nguyen Viet Nhung, MD., PhD  
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Brief biography

A/Prof. Nguyen Viet Nhung is currently Director of the National Lung Hospital, Manager of the National Tuberculosis Control Program. Standing vice President of the Vietnam Association against TB and Lung diseases. Vice head of TB and Lung diseases Faculty of Ha Noi Medical University. Dr. Nhung is an active member of ATS, ESMO, IASLC and IUATLD.

Dr. Nhung obtained his medical degree from Hanoi Medical University and did his 3-year residency specialized in tuberculosis and respiratory diseases at the National Lung Hospital in Hanoi and completed PhD scholarship in the Charles University in Prague, Czech Republic in 2000 with thesis on the role of immunohistochemistry in typing and prognosis of lung cancer.

Dr. Nhung is an invited lecturer Army Medical University, Hanoi School of Public Health and appointed as associate professor of the Ha Noi Medical University from 2012.

Dr. Nhung has been a member of regional Green Light Committee of WHO / WPR and a member of WHO Task Force on Development of Policies for the Rational Introduction of New TB Drugs.

A/Prof. Nhung research interests are primarily in the areas of lung cancer, tuberculosis, asthma and COPD and has become deputy editor in chief of National Journal of Tuberculosis and Lung Diseases since 2010.

15. Ejaz Qadeer

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Brief biography

Dr Ejaz Qadeer is having almost 3 decades of experience in the Pakistan health system, from the implementation level at health facilities to the highest management levels. Significant contribution to TB control Program Pakistan from 2006 till date from the planning till implementation of TB control efforts in all disciplines including programmatic and Research components. Experience of managing large, multi-year, performance based national health projects, including grant negotiations for TB control. Well versed in policy formulation & analysis with significant contributions to the same both nationally and internationally. Experienced in working with international partners and creating mechanisms for focusing, facilitating and streamlining collaborative frameworks. Significant experience in designing M&E systems to ensure program/project implementation and quality. Lifelong focus on including marginalized/poor in project design and policy. Deep understanding of the national health system as well as protocols of international organizations such as WHO, UN and The Global Fund.

16. Maria Rodriguez

Name  Maria de los M Rodriguez de Dominguez
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Brief biography

Pulmonologist started working for the National Tuberculosis Program (NTP) in 1992 at the local hospital Las Caobas. From 2004-2014 supported the NTP in the programatic management of MDR TB and currently I works as the coordinator of the Technical Unit of MDR in Dominican Republic. Dr. Rodriguez have also participated as a facilitator in several TB DR courses implemented by the Union in the region of The Americas. As international consultant, she is a member of f the rGLC of the Pan-American Health Organization (PAHO/WHO) and have been part of several evaluating missions of PMDT.

17. Holger J Schünemann

Name: Holger J. Schünemann, M.D., Ph.D., M.Sc., FRCP(C)
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Brief biography

Dr. Schünemann is chair of the Department of Clinical Epidemiology and Biostatistics at McMaster University, widely considered the birthplace of evidence-based medicine. He trained in internal medicine, epidemiology, preventive medicine and public health. Having contributed to over 400 peer-
reviewed publications (across a broad area of health care questions) he is co-chair of the GRADE working group, co-director of the World Health Organization (WHO) collaborating center for evidence informed policy-making, a member of the Board of Trustees of the Guideline International Network, the Cochrane Collaboration Steering Group, and several other committees. He led or participated in numerous high profile guideline panels, including at the WHO, the American College of Physicians, the World Allergy Organization and he was a key contributor to the revised methods for WHO guideline development beginning in 2006. His work also focuses on practical application of his work by researchers and clinicians through contributions to the guideline development tool (www.gra grade.org), the guideline checklist (cebgrade.mcmaster.ca/guidecheck.html) and GRADE evidence to decision frameworks (www.decide-collaboration.eu). Maintaining an active clinical practice fulfills his passion for patient care and ensures his research is people-oriented. In his personal life, he has planned to ride the course of a Tour de France, trains vigorously and succeeded partially.

18. James SEDDON

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Brief biography

James Seddon is a Clinical Lecturer in Paediatric Infectious Diseases at Imperial College London. He divides his time between clinical work and research. His major area of research is that of children with tuberculosis, specifically drug-resistant forms.

He studied medicine at Corpus Christi College, Cambridge and Imperial College London and has carried out paediatric training in both UK and Australia. He has worked as a doctor for Médecins Sans Frontières in Côte d'Ivoire and most recently has completed a PhD in Cape Town on paediatric multidrug-resistant tuberculosis.

19. Tom Shinnick

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I have been working on the laboratory aspects of the diagnosis, treatment, and control of TB for more than 25 years. My career has included directing research in academic and public health settings (author/co-author of more than 175 publications) and managing the Mycobacteriology Laboratory Branch of CDC which included the TB Reference Laboratory, research activities, support for clinical and
epidemiologic studies, and setting of public health policy for TB laboratories. Most recently, as the Associate Director of DTBE for Global Laboratory Activities, I have been responsible for leading the Division's efforts in improving TB laboratory capacities and for directing laboratory research in international settings. Also, I serve in leadership roles on international committees that address laboratory needs for TB control in resource-limited settings including the Global Laboratory Initiative (GLI) of the Stop TB Partnership (chair); Bacteriology and Immunology sub-section of the International Union Against TB and Lung Diseases (The Union); Advisory Board for the TB CARE Program; Board of Directors of the African Society for Laboratory Medicine; and Project Steering Committee of the UNITAID-funded EXPAND-TB Program.

With respect to the laboratory detection of TB, I served on numerous WHO Expert Groups that evaluated diagnostics and helped develop recommendations for their use; co-led efforts to provide guidance to USG-supported programs for the programmatic implementation of the Xpert MTB/RIF assay; developed and implemented national strategic plans to implement the Xpert MTB/RIF test MDR TB; and conducted operational research to evaluate the impact of the test on laboratory performance and on MDR TB detection, treatment, and control.

20. Alena Skrahina

Name: Alena Skrahina

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Brief biography

Alena Skrahina received her M.D. degree (1986) and then Ph.D. degree (1994) at Belarus State Medical University. Working at the Republican Research and Practical Centre for Pulmonology and Tuberculosis (the Centre) since 1987 as a resident, a respiratory physician, a consultant in respiratory medicine and a researcher she has always successfully combined her clinical practice with research activity. As a scientific director of the Centre since 2005 she has been involved in: organizing, managing and conducting experimental, clinical and epidemiology research on TB, M/XDR-TB and HIV/TB; clinical patients' management; chairing the National MDR-TB Expert's Board (Consilium); development and implementation of National TB Program.

The Role in the WHO: Member of Strategic and Technical Advisory Group on Tuberculosis (STAG-TB) (2012-15); Member of European Technical Advisory Group on Tuberculosis Control (TAG-TB) since 2012; Member of Task Force for New Drug Policy Development since; Member of Systematic Screening for Active Tuberculosis Group, Member of Guideline development group; Members of Childhood TB subgroup, Members of the Guidelines Group; Expert of MDR-TB ERS/WHO Consilium; Member of the WHO Wolfheze Working Group on Social Determinants of Tuberculosis; Member of the WHO Working Group on TB/HIV Collaborative Activities; Member of the WHO Wolfheze Working Group on new TB Drug Introduction & Anti-TB Drug-safety.
21. Carlos Torres

Name: Carlos A. Torres-Duque
Affiliation: Fundación Neumológica Colombiana
Current position:
- Pulmonologist & Internist; Director, Research Department; Chief, Specialty Program in Pulmonology. Fundación Neumológica Colombiana
- Director, Tuberculosis Department. Asociación Latinoamericana de Tórax–ALAT (Latin American Thoracic Society)
- Member / Advisor. National Tuberculosis Advisory Committee of the Ministry of Health
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Brief biography
I am a 56 years old pulmonologist and internist. I was trained in an ancient antituberculosis sanatorium (Hospital antituberculosis Santa Clara) in Bogotá, Colombia. I received my speciality degree in 1988. I worked at the Hospital antituberculosis Santa Clara until 1995. Since 1992 and currently I work at Fundacion Neumologica Colombiana (www.neumologica.org) as Director of the Research Department, Professor and Chief of the Specialization Program in Pulmonology. I have continued working in tuberculosis as advisor member of the National Advisory Tuberculosis Committee of Ministry of Health in Colombia. I was President of the Latin American Thoracic Society - ALAT (2002- 2004) and currently I am the Director of the Tuberculosis Department of this association (2014 – 2016).