

**Tuesday**  
**21 April 2015**

<b>8:30 – 10:15</b>	<b>OPENING SESSION</b>
Plenary Hall	<p>Co-Chairs: Tom Evans, Aeras (USA)   Nick Drager, TBVI (The Netherlands)   Heping Xiao, Shanghai Pulmonary Hospital, Tongji University Medical School (China)   Zhenghong Yuan, Fudan University (China)</p> <p><b>Welcome Remarks from the World Health Organization</b> Fabio Scano, Coordinator for Disease Control, WHO Beijing (China)   Mario Raviglione, Director, Global TB Programme, WHO (Switzerland) <i>by videoaddress</i></p> <p><b>Chinese BCG pioneers for TB prevention</b> Ping Chen, Director of NIAID Office in China, Office of Global Research, NIAID, US NIH (China)</p> <p><b>TB disease burden and control strategy in China</b> Lixia Wang, Director, Professor, National Center for Tuberculosis Control and Prevention, Chinese Center for Disease Control and Prevention (China)</p> <p><b>Main challenges and achievements of TB control in China</b> Lixing Zhang, Honorary President, Chinese Anti-Tuberculosis Association; Honorary member, International Union Against Tuberculosis and Lung Disease; Professor, Beijing Research Institute for Tuberculosis (China)</p> <p><b>MDR-TB in China</b> Wen Gao, Party Committee Secretary, Huadong Hospital Affiliated to Fudan University; Director, Chinese Tuberculosis Society, Chinese Medical Association; Vice President, China Thoracic Association, Chinese Medical Doctor Association (China)</p> <p><b>Partnership, philanthropy and TB in China</b> Wenjun Sun, Senior Program Officer, Tuberculosis, Bill &amp; Melinda Gates Foundation (China)</p>
<b>10:15 – 10:45</b>	<b>KEYNOTE ADDRESS</b>
Plenary Hall	Glenda Gray, South African Medical Research Council (South Africa)
<b>10:45 – 11:15</b>	Coffee/Tea Break
<b>11:15 – 12:45</b>	<b>PLENARY SESSION 1: Engaging the BRICS: Basic Research to Manufacturing</b>
Plenary Hall	<p>Co-Chair: Jack Zhang, PATH (China)   Marian Jacobs, former Faculty of Health Sciences, University of Cape Town (South Africa)</p> <p><i>Roundtable discussion featuring:</i> Luciana Leite, Instituto Butantan (Brazil) Igor Krasilnikov, St. Petersburg Institute of Vaccines &amp; Sera (Russia) Soumya Swaminathan, National Institute for Research in Tuberculosis (India) Lan Bi, China National Biotec Group Company Limited (China) Glenda Gray, South African Medical Research Council (South Africa) Haibin Niu, Shanghai Institutes for International Studies (China)</p>
<b>12:45 – 13:45</b>	Lunch
<b>13:45 – 15:15</b>	<b>PLENARY SESSION 2: Immunopathogenesis of Tuberculosis</b>
Plenary Hall	<p>Co-Chair: Mark Doherty, GSK (Denmark)   Baoxue Ge, Shanghai Pulmonary Hospital, Tongji University School of Medicine (China)</p> <p><b>TB vaccine antigen selection</b> Joel Ernst, NYU Langone Medical Center (USA)</p> <p><b>Cytokine responses to TB: Implications for pathogenesis</b> Katrin Mayer-Barber, NIAID/NIH (USA)</p> <p><b>Exsudative lesions and encapsulation determine the development of human pulmonary tuberculosis and supports the need for experimental modelling in big mammals</b> Pere-Joan Cardona, Institut Germans Trias i Pujol (Spain)</p> <p><b>Anti-TB immunity components and mechanisms in primates</b> Zheng W. Chen, University of Illinois College of Medicine Chicago/Institut Pasteur of Shanghai (USA/China)</p>

15:15 – 16:30	<b>POSTER SESSION</b>
Foyer	Coffee/Tea served
16:30 – 18:00	<b>BREAKOUT SESSION 1: Immunopathogenesis and Novel Mechanisms of Vaccine Activity</b>
Plenary Hall	<p>Co-Chairs: Warwick Britton, University of Sydney (Australia)   Zheng W. Chen, University of Illinois College of Medicine Chicago (USA) and Institut Pasteur of Shanghai (China)</p> <p><b>Lung resident and the circulating pro-inflammatory MAIT cells characterize pulmonary tuberculosis</b> David Lewinsohn, Oregon Health &amp; Science University (USA)</p> <p><b>COX inhibitors downregulate Tregs in tuberculosis: a potential adjuvant for vaccines</b> Anne Margarita Dyrhol-Riise, Oslo University Hospital (Norway)</p> <p><b>Searching for the mechanisms of protection and attenuation of MTBVAC</b> Carlos Martin, University of Zaragoza (Spain)</p> <p><b>H1/IC31®-vaccine induced long term CD4+ memory T cell responses in HIV infected volunteers correlate with antiviral innate immune activation</b> Claudia Daubenberger, Swiss Tropical and Public Health Institute (Switzerland)</p>
Hall 8	<b>BREAKOUT SESSION 2: Epidemiological Research</b>
	<p>Co-Chairs: Richard White, London School of Hygiene and Tropical Medicine (UK)   Xin Shen, Shanghai CDC (China)</p> <p><b>Epidemiology of latent tuberculosis infection in China: A large-scale multi-center prospective study</b> Lei Gao, Institute of Pathogen Biology, Chinese Academy of Medical Sciences and Peking Union Medical College (China)</p> <p><b>Future trends in TB epidemiology in China and the potential impact of novel TB vaccines targeted at older individuals: A modelling study</b> Rebecca Harris, London School of Hygiene and Tropical Medicine (UK)</p> <p><b>High tuberculosis burden among people living with HIV in Southern Mozambique</b> Alberto Garcia-Basteiro, Manhica Health Research Center (Mozambique)</p> <p><b>RePORT India Consortium- Objectives and Future Directions</b> Vidya Mave, Byramjee Jeejeebhoy Government Medical College (India)</p>
18:30	<p>Informal Social Evening – Hongmei Lu</p> <p><i>Busses depart Everbright Hotel for Hongmei Lu at 18:30, 19:00, 20:00, 21:00</i></p> <p><i>Busses depart Hongmei Lu for Everbright Hotel at 19:30, 20:30, 21:30, 22:30</i></p> <p><i>Participants will be responsible for their meals and expenses.</i></p>

**Wednesday  
22 April 2015**

7:15 – 8:15	<b>SATELLITE SESSION: Global TB Vaccine Partnership</b>
Hall 8	<p>Co-chairs: Tom Evans, Aeras (USA)   Nick Drager, TBVI (The Netherlands)</p> <p><i>Panelists:</i> Ole Olesen, EDCTP (The Netherlands) Helen McShane, University of Oxford (UK) Barry Walker, Aeras (USA)</p>
8:30 – 9:15	<b>MORNING SESSION 1: New Horizons in Challenge Studies for TB vaccine R&amp;D: Human challenge and low-dose NHP challenge models</b>
Plenary Hall	<p>Chair: Wen-zhe Ho, Wuhan University Center for Animal Experiment /ABSL-III Laboratory (China) and Temple University (USA)</p> <p><b>Developing a human challenge model for vaccine testing</b> Sarah Fortune, Harvard School of Public Health (USA)</p> <p><b>Defining vaccine success in non-human primate models: Are we there yet?</b> Philana Ling Lin, University of Pittsburgh (USA)</p>

9:15 – 10:45	<b>PLENARY SESSION 3: Biomarkers and Correlates</b>
Plenary Hall	<p>Co-Chairs: Tom Ottenhoff, Leiden University Medical Center (The Netherlands)   Willem Hanekom, Bill &amp; Melinda Gates Foundation (USA)</p> <p><b>Potential of HLA-E as a novel presentation molecule for vaccine design against TB</b> Tom Ottenhoff, Leiden University Medical Center (The Netherlands)</p> <p><b>Using the cattle model of bovine tuberculosis to define biomarkers of vaccine efficacy or disease progression</b> Martin Vordermeier, Animal Health and Veterinary Laboratories Agency (UK)</p> <p><b>Immunodiagnosis of TB disease</b> Gerhard Walzl, Stellenbosch University (South Africa)</p> <p><b>Immune correlates and the development of a growth inhibition assay</b> Helen Fletcher, London School of Hygiene and Tropical Medicine (UK)</p> <p><b>TB candidate vaccine development based on genome-wide high-throughput screening for immunogens</b> Lijun Bi, Chinese Academy of Sciences (China)</p>
10:45 – 11:15	Coffee/Tea Break
11:15 – 12:45	<b>BREAKOUT SESSION 3: Novel Approaches to Animal Models for TB Vaccine R&amp;D</b>
Plenary Hall	<p>Co-Chair: Ann Rawkins, Public Health England (UK)   Philana Ling Lin, University of Pittsburgh (USA)</p> <p><b>Is the age-old dogma that memory CD4+ T cell mediate protection against tuberculosis true?</b> Clarifying the role of memory T cells in protection against mycobacterial infection Pia Steigler, University of Otago (New Zealand)</p> <p><b>Variable BCG efficacy in NHP rhesus populations: pulmonary BCG provides protective effects where standard intradermal vaccination fails</b> Frank Verreck, Biomedical Primate Research Center (The Netherlands)</p> <p><b>Ultra low dose aerosol challenge model: proof of concept and comparison of outcome in rhesus and cynomolgus macaques</b> Sally Sharpe, Health Protection Agency (UK)</p> <p><b>What does the guinea pig tell us about tuberculosis?</b> Angelo Izzo, Colorado State University (USA)</p>
Hall 8	<b>BREAKOUT SESSION 4: Novel Antigen Delivery Strategies</b>
	<p>Co-Chairs: Stefan Kaufmann, Max Planck Institute for Infection Biology (Germany)   Amit Misra, Central Drug Research Institute (India)</p> <p><b>Enhanced protective immunity against Mycobacterium tuberculosis by single mucosal vaccination with a recombinant Sendai virus vectored vaccine is associated with robust secondary CD8+ T cell responses in the lung</b> Zhidong Hu, Shanghai Public Health Clinical Center (China)</p> <p><b>Lentiviral-based therapeutic vaccine for multidrug-resistant tuberculosis: identification of latent stage immunogens</b> Mohamad F Jamiluddin, Theravectys (France)</p> <p><b>Recombinant vaccine by taking advantage of characteristics of human parainfluenza type 2 virus vector</b> Yasuhiro Yasutomi, National Institute of Biomedical Innovation (Japan)</p> <p><b>Randomized double-blind placebo-controlled phase 1 trial of intranasal TB/FLU-04L tuberculosis vaccine in BCG-vaccinated healthy adults aged 18 - 50 years</b> Marina Stukova, Research Institute of Influenza (Russia)</p>
12:45 – 13:45	Lunch
13:45 – 15:15	<b>PLENARY SESSION 4: Concepts and Approaches in Clinical Research &amp; Development</b>
Plenary Hall	<p>Co-Chairs: Gavin Churchyard, Aurum Institute (South Africa)   Wenhong Zhang, Huashan Hospital Affiliated to Fudan University (China)</p> <p><b>Testing novel concepts through clinical trials</b> Tom Evans, Aeras (USA)</p> <p><b>Respiratory mucosal boost immunization: A new approach to protect against pulmonary tuberculosis</b> Xuefeng Yu, CanSino Biotech (China)</p> <p><b>Community mobilization for a phase IIb adult TB vaccine trial in western Kenya</b> Grace Kiringa, KEMRI (Kenya)</p> <p><b>Testing novel vaccine candidates in combination trials</b> Iman Satti, University of Oxford (UK)</p>
15:15 – 16:30	<b>POSTER SESSIONS</b>
Foyer	Coffee/Tea Served

16:30 – 18:00	<b>BREAKOUT SESSION 5: Next Generation TB Vaccines and Vaccine Concepts</b>
Plenary Hall	<p>Co-Chairs: Barry Walker, Aeras (USA)   Douglas Lowrie, Shanghai Public Health Clinical Center (China)</p> <p><b>TBVAC2020: a unique pipeline for the discovery of novel TB vaccine candidates</b> Olivier Neyrolles, CNRS-University of Toulouse (France)</p> <p><b>Novel Mycobacterium tuberculosis live attenuated vaccines provide significant protection against aerosol infection with M. tuberculosis Beijing strain</b> Sarah Marcus, University of Wisconsin-Madison (USA)</p> <p><b>CMV-vectored vaccines</b> Louis Picker, Oregon Health and Science University (USA)</p> <p><b>Recombinant influenza A viruses expressing CD4+T-cell epitopes induce protective immunity against M. tuberculosis and boost immunity to BCG</b> Warwick Britton, University of Sydney (Australia)</p>
	<b>BREAKOUT SESSION 6: Clinical Research: Data and Findings</b>
	<p>Co-Chairs: Gavin Churchyard, Aurum Institute (South Africa)   Helen McShane, University of Oxford (UK)</p> <p><b>Vaccination of healthy adolescents in a TB endemic setting with M72/AS01E has a clinically acceptable safety profile and induces a potent and durable T cell response</b> Adam-Penn Nicholson, South African Tuberculosis Vaccine Initiative/University of Cape Town (SATVI/UCT)</p> <p><b>DAR-901 inactivated whole cell mycobacterial booster vaccine: Phase I dose escalation study</b> C. Fordham von Reyn, Geisel School of Medicine (USA)</p> <p><b>Development of a phase 1 human study to evaluate AdHu5Ag85A vaccine delivered by aerosol</b> Fiona Smaill, McMaster University (Canada)</p> <p><b>From Mouse to Man: Safety, immunogenicity and efficacy of a candidate tuberculosis vaccine ID93+GLA-SE</b> Rhea Coler, Infectious Disease Research Institute (USA)</p>
18:30	<p>Gala Dinner at Seagull Palace <i>Busses depart Everbright Hotel at 18:30</i> <i>The Global Forum thanks the LGT Bank Hong Kong and Ms Katrina Chang, Founder &amp; CEO of TaipeiING and Consul of Shanghai &amp; Taipei for Ordre des Coteaux de Champagne for the donation of wine from Hofkellerei des fursten von Lichtenstein, the winery of the Prince of Lichtenstein</i></p>

**Thursday**  
**23 April 2015**

8:30 – 9:15	<b>MORNING SESSION 2: Developing TB Vaccines for What Purpose? Prevention of Disease, Prevention of Infection, and Immunotherapy Indications</b>
Plenary Hall	<p>Chair: Carlos Martin, University of Zaragoza (Spain)</p> <p><b>Prevention of infection, prevention of disease, and immunotherapy</b> Mark Hatherill, South African Tuberculosis Vaccine Initiative (South Africa)</p> <p><b>Potential population level impact of new TB vaccines: Prevention of disease, prevention of infection, and immunotherapy</b> Richard White, London School of Hygiene and Tropical Medicine (UK)</p>
9:15 – 10:45	<b>PLENARY SESSION 5: TB Vaccines in Clinical Development</b>
Plenary Hall	<p>Co-Chairs: Ann Ginsberg, Aeras (USA)   Zhaojun Mo, Guangxi Center for Disease Prevention and Control (China)</p> <p><b>First-in-human Phase 1 study results of MTBVAC, a live-attenuated vaccine from human origin</b> François Spertini, Centre Hospitalier Universitaire Vaudois (France)</p> <p><b>BCG-based whole cell vaccines</b> Stefan H.E. Kaufmann, Max Planck Institute of Infection Biology (Germany)</p> <p><b>TB vaccine development using recombinant viral vectors</b> Helen McShane, University of Oxford (UK)</p> <p><b>TB subunit vaccines, memory and immunity in the lung</b> Peter Andersen, Statens Serum Institut (Denmark)</p> <p><b>Mycobacterium Vaccae® used for LTBI prevent TB disease clinical research</b> Jiang Pu, Anhui Zhifei Longcom Biopharmaceutical Co., Ltd (China)</p>

10:45 – 11:15	Coffee/Tea Break
11:15 – 12:45	<b>PLENARY SESSION 6: Regulatory and Access Issues for New TB Vaccines</b>
Plenary Hall	<p>Co-Chairs: Mike Frick, Treatment Action Group (USA)   James Southern, Biological Surveys (South Africa)</p> <p><b>The research on preclinical evaluation of tuberculosis vaccines</b> Miao Xu, Institute for Biological Products Control/National Institutes for Food and Drug Control (China)</p> <p><b>Developing new TB vaccines: Regulatory considerations</b> Roshan Ramanathan, Center for Biologics Evaluation and Research, Food and Drug Administration (USA)</p> <p><b>Title TBD</b> Morakot Papassiripan, Biologics Sub-division, Food and Drug Administration (Thailand)</p> <p><b>Access considerations in the development of vaccines to address immunization needs in low resource settings</b> Lucia Fernandes Aleixo, Médecins Sans Frontières (China)</p>
12:45 – 13:45	Lunch
13:45 – 15:15	<b>PLENARY SESSION 7: Advancing the Pipeline: A Vision for the Next Decade</b>
Plenary Hall	<p>Co-Chairs: Marja Esveld, Ministry of Health (The Netherlands)   Nick Drager, TBVI (The Netherlands)</p> <p><i>Roundtable Discussion Featuring:</i> Laurent Bochereau, Delegation of the European Union to China (China) Willem Hanekom, Bill &amp; Melinda Gates Foundation (USA) Kei Katsuno, Global Health Innovation Technology Fund (Japan) Michel Kazatchkine, UN Secretary-General's Special Envoy on HIV/AIDS in Eastern Europe and Central Asia (Switzerland) Ole Olesen, European &amp; Developing Countries Clinical Trials Partnership (The Netherlands)</p>
15:15 – 16:15	<b>CLOSING SESSION</b>
Plenary Hall	<p>Co-chairs: Nick Drager, TBVI (The Netherlands)   Heping Xiao, Shanghai Pulmonary Hospital, Tongji University Medical School (China)   Zhenghong Yuan, Fudan University (China)</p> <p><b>Global Plan to Stop TB 2016-2020</b> Jon Liden, Stop TB Partnership (Switzerland)   David Lewinsohn, Oregon Health and Science University/Chair, Stop TB Partnership Working Group on New Vaccines (USA)</p>

**Friday**  
**24 April 2015**

	<b>SITE VISITS (Registration Required)</b>
9:00 – 12:00	Shanghai Institute of Biological Products
9:00 – 13:00	Shanghai Pulmonary Hospital
13:00 – 18:00	Shanghai Public Health Clinical Center
Full Day	The Center for Animal Experiment at Wuhan University <i>Departs evening of 23 April, returns evening of 24 April</i>