



Tuberculosis Diagnostic Research: Beyond the Basics

December 13 - 15, 2010, Tuberculosis Research Centre, Chennai, India



COURSE SCHEDULE

Monday, Dec 13, 2010

Time	Lecture	Faculty
8.30 AM	Welcome and Introductions	A Thomas, MS Jawahar, all
9.00 AM	The global value chain (blueprint) for TB diagnostics and current pipeline of diagnostics	M Pai
9.45 AM	New WHO policy on Xpert MTB/RIF New WHO policy on serological assays	CN Paramasivan K Steingart
10.30 AM	Coffee	
10.45 AM	Overview of diagnostic research and types of diagnostic study designs	M Pai
11.15 AM	Landscape of TB diagnostic research	M Pai
12.30 PM	Lunch	
1.30 PM	The diagnostic test accuracy design	M Pai
2.30 PM	Bias in diagnostic research and sources of variation	K Steingart
3.30 PM	Coffee	
4.00 - 5.30 PM	Optimism bias in TB diagnostic research & critical appraisal	M Pai

Tuesday, Dec 14, 2010

Time	Lecture	Faculty
8.30 AM	Setting reference standards in TB diagnostic studies: <ul style="list-style-type: none"> • Microscopy evaluations • Rapid culture methods • Molecular assays • Serological assays • IGRAs and LTBI tests • Extrapulmonary TB 	CN Paramasivan CN Paramasivan T Shinnick S Laal M Pai J Peter
10.30 AM	Coffee	
10.45 PM	Lab accreditation and QA in India Ensuring quality in diagnostic trials: <ul style="list-style-type: none"> • Microscopy studies • Culture studies • Molecular assay studies • Immunodiagnostic studies 	J Kenneth CN Paramasivan CN Paramasivan T Shinnick S Laal

12.00 Noon	Introduction to TB biomarker validation	S Parida
12.30 PM	Lunch	
1.30 PM	Beyond test accuracy - 1: impact of testing on diagnostic thinking and clinical decision making	M Pai
2.00 PM	Beyond test accuracy - 2: incremental value and multivariable methods	M Pai
3.30 PM	Coffee	
4.00 PM	Beyond test accuracy - 3: randomized designs for clinical impact	M Pai J Peter
4.45 - 5.30 PM	Evaluation of TB diagnostics in children and HIV-infected populations: challenges and potential solutions	S Swaminathan

Wednesday, Dec 15, 2010

Time	Lecture	Faculty
8.30 AM	Beyond test accuracy - 4: cost and cost-effectiveness	H Sohn
9.30 AM	Meta-analysis of diagnostic research	K Steingart
10.30 AM	Coffee	
11.00 AM	Beyond test accuracy - 5: Guideline and policy development using the GRADE approach	K Steingart
11.45 AM	Converting ideas into commercially viable products	N Sriram
12.30 PM	Lunch	
1.30 PM	Landscape of TB diagnostics in India and barriers to innovation	M Pai
2.00 PM	Panel discussion on diagnostic innovations in India	P Small S Swaminathan M Pai (moderator) + course participants
3.30 PM - 5.00 PM	<p>ICMR Centenary Celebration Special Lecture:</p> <p><i>TB control in India: what is the critical path after DOTS scale-up?</i></p> <p>Peter M Small, MD Senior Program Officer, TB Global Health Program Bill & Melinda Gates Foundation, USA</p>	Co-chairs: PR Narayanan & S Swaminathan



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Course faculty

<p>Karen R Steingart, MD Physician Consultant Curry International Tuberculosis Center University of California, San Francisco San Francisco, USA Email: karenst@uw.edu</p>	<p>Madhukar Pai, MD, PhD Assistant Professor, McGill University Co-chair, Stop TB Partnership's New Diagnostics Working Group Dept of Epidemiology & Biostatistics Montreal, Canada Email: madhukar.pai@mcgill.ca</p>
<p>Jonathan Peter, MD Clinical trials co-ordinator/research fellow UCT Lung Infection and Immunity Unit and Lung Institute, Department of Medicine University of Cape Town South Africa Email: jonny@web.co.za</p>	<p>Soumya Swaminathan, MD Coordinator (Research for Neglected Priorities) UNICEF/UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases World Health Organization Geneva, Switzerland Email: swaminathans@who.int</p>
<p>Suman Laal, PhD Associate Professor of Pathology & Microbiology NYU Langone Medical Center New York, USA Email: Suman.Laal@nyumc.org</p>	<p>C.N. Paramasivan, Ph.D., D.Sc. Head of TB Laboratory Support Foundation for Innovative New Diagnostics Geneva, Switzerland E-mail: cn.paramasivan@finddiagnostics.org</p>
<p>Thomas M. Shinnick, Ph.D. Associate Director for Global Laboratory Activities Division of Tuberculosis Elimination Centers for Disease Control, Atlanta USA Email: TMS1@CDC.GOV</p>	<p>Shreemanta K Parida, MD, PhD TB research specialist Berlin Germany Email: shreemanta.parida@googlemail.com</p>
<p>N Sriram Director - Tulip Group Verna, Goa India E-mail: orchid@tulipgroup.com</p>	<p>John Kenneth, MD Head, Division of Infectious Diseases St. Johns Research Institute St. Johns National Academy of Health Sciences Bangalore, India Email: johnkennet@gmail.com</p>
<p>Peter M Small Senior Program Officer, TB Global Health Program Bill & Melinda Gates Foundation Seattle, USA</p>	<p>Hojoon Sohn, MPH Doctoral candidate McGill University Dept of Epidemiology & Biostatistics Montreal, Canada Email: dhjsohn@gmail.com</p>



यक्ष्मा अनुसंधान केन्द्र

YAKSHMA ANUSANDHANA KENDRA
TUBERCULOSIS RESEARCH CENTRE
(Indian Council of Medical Research)

Mayor V.R. Ramanathan Road
Chetput, Chennai 600 031