

ADVANCED TB DIAGNOSTICS

MCGILL UNIVERSITY • MONTREAL • JUNE 19-23, 2017

Goals and key considerations

7th course in Montreal



2011



2012



2013



2014



2015



2016

Courses in India and SA



GH Dx Course (last week)



TB Research Methods Course (last week)

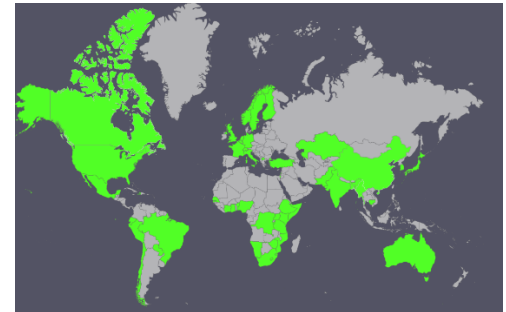


Why are we here?

- TB dx pipeline has expanded, with lots of new tools
 - But scale-up remains challenging
- TB dx research is finally maturing!
 - We not only recognize the need to go beyond simple accuracy studies, but are also doing it...
 - We are not only concerned about technologies and policies, but also their implementation in countries
- Convene key stakeholder groups on TB Dx
- Survey of advanced topics in TB dx
- Brainstorm on creative/innovative designs that we can use in future research
- Facilitate collaborations/networking (e.g. industry and NTP; modellers and policy makers)

In this room, we have ~100 participants from over 20 countries... please learn from each other!

- Civil society/advocates & patients
 - Implementers (e.g. NTP, NRL, health ministry officials)
 - Donors & funders
 - Academics
 - Industry/test developers
 - Lab professionals
 - Clinicians
 - Policy making bodies
 - Product development partnerships
 - Management/business professionals
- 
- At this SI, we have colleagues from 53 countries!



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from 53 countries!

NTP and NRL leaders



Historic meetings!



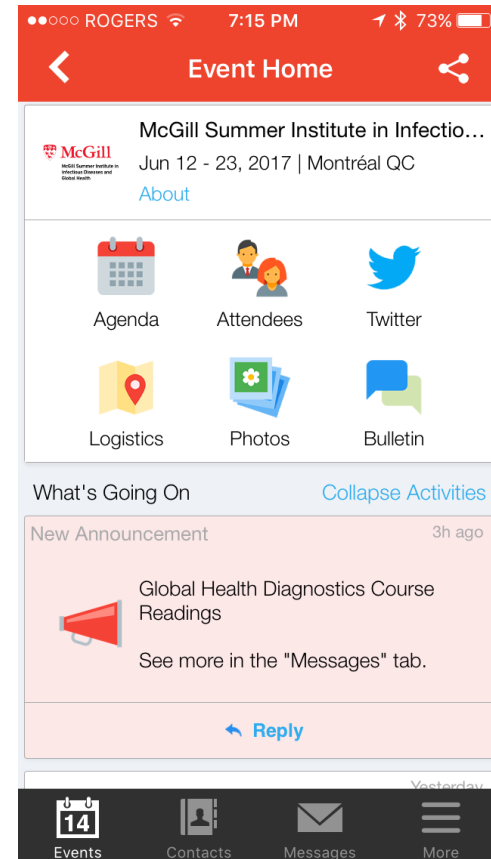
Some key considerations

- No instructor/participant divide: all of us are teachers and learners (50+ people on the agenda!)
 - Incredible expertise in the room!
 - If there was time, everyone would be on the agenda!
- Safe environment for debates/disagreements
 - If we agreed on everything, something is wrong!
 - We should talk about what went wrong and what we can learn from that

“There are no mistakes. Only lessons.”

Resources

- Dropbox with lots of very good materials
- PPT of all talks will be uploaded on Dropbox
- Whova app for connecting and networking



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BILL & MELINDA GATES foundation **FIND** **McGill** **GLOBAL HEALTH PROGRAMS** **PROGRAMMES DE SANTÉ MONDIALE** **Centre International de TB McGill** **McGill International TB Centre**

Without diagnostics, medicine is blind. And yet, diagnostics receive much less attention than vaccines and drugs. Despite recent investments in global health diagnostics, the potential for diagnostics to generate value for patients and health systems has not been met across all settings, particularly in low- and middle-income countries where disease burdens are high, and diagnosis remains a big gap in care cascades. In this new community, professionals ranging from clinicians, nurses, policy-makers, researchers, implementers, advocates and health educators share questions, successes, and lessons learned to advance the field of global health diagnostics.

The Global Health Diagnostics community is sponsored by FIND, McGill Global Health Programs, and McGill International TB Centre, with support from the Bill & Melinda Gates Foundation.

Community moderators

Catharina Boehme
FIND

Sophia Georgiou
FIND

Jim Gallarda
Bill & Melinda Gates Foundation

Madhukar Pai
McGill University

Recent community activity

Soliciting input on NGS assay for DR detection in MTBC PPCs (Preferred Product Characteristics)
by Rebecca Colman

Updated: 07 Jun, 2017
Replies: 0

Dear Colleagues, How can we better support the development of Tuberculosis drug resistance molecular test? As stakeholders in this field, we would like to ask you to participate in a brief survey to help define the minimal and optimal based criteria for a molecular targeted drug susceptibility detection assay which ... [read more](#)

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GHDonline is part of the Global Health Delivery Project at Harvard University.

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The [Global Health Diagnostics community](https://www.ghdonline.org/diagnostics/) at GHDonline is an effort to tap the wisdom of experts around the world to solve intractable problems relating to diagnostics.

Collectively, we will be better able to overcome these problems than we are separately.

<https://www.ghdonline.org/diagnostics/>

Dr. Madhukar Pai | Become a fan
Professor & Director of Global Health, McGill University

Creating A Community To Advance Global Health Diagnostics

Posted: 02/22/2017 4:44 pm EST | Updated: 02/22/2017 4:44 pm EST

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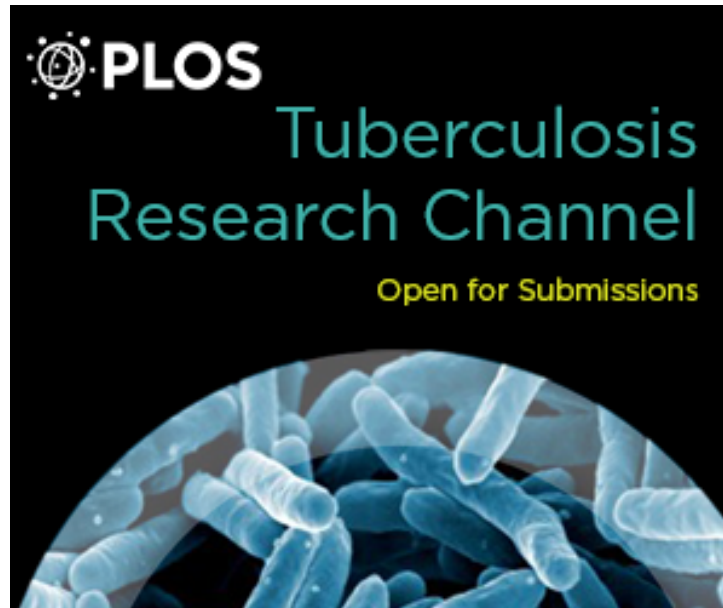
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By Madhukar Pai & Rebecca Weintraub

Despite the critical importance of diagnosis, diagnostic testing and laboratory capacity [receive much less attention than vaccines and drugs](#) in the global health arena. There are many tropical diseases for which good diagnostics do not exist, and there are other conditions for which diagnostics are yet to reach scale. Laboratory capacity remains one of the weakest links in healthcare delivery systems in many low and middle income countries.



Figure legend: A point-of-care molecular test for tuberculosis, HIV viral load, and other infections (Photo: Madhukar Pai)



<https://channels.plos.org/tuberculosis>

Thank you

- Everyone, for your interest & participation
- Faculty/panelists
- Kristin Hendricks, Stephanie Laroche-Pierre, Tasha Ayinde, Caroline Vadnais, Lynn Dery Capes, and volunteers



We are grateful to our funders & sponsors

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