



McGill

McGill Summer Institute in
Infectious Diseases and
Global Health

MCGILL UNIVERSITY • MONTREAL • JUNE 18-22, 2018

ADVANCED TB DIAGNOSTICS

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Mon • June 18	Tues • June 19	Wed • June 20	Thurs • June 21	Fri • June 22
8:00AM – 5:00PM	9:00AM – 5:15PM	9:00AM – 5:00PM	9:00AM – 5:30PM	9:00AM – 1:15PM
Patient voices, global value chain, pipeline, TB diagnostics R&D	TPPs, new tools, TB Tech Pitch	Implementation research, qualitative research	Meta-analysis, GRADE, guidelines, quality improvement, advocacy	Modeling, cost effectiveness

HOSTS



McGill



GLOBAL HEALTH PROGRAMS

PROGRAMMES DE SANTÉ MONDIALE

Centre international de TB McGill



McGill International TB Centre



MacLean Centre for Tropical Diseases
McGill University

Institut de recherche
Centre universitaire de santé McGill



Research Institute
McGill University Health Centre

Infectious Diseases and Immunity in Global Health Program
Programme en maladies infectieuses et immunité en santé mondiale



McGill

Interdisciplinary Initiative in Infection and Immunity

*Faculty and speaker information is available in the *Ukova* event app*

DAY 1 AGENDA

MONDAY, JUNE 18

Time	
8:00AM	<i>Registration</i>
8:30-9:00AM	<i>Welcome, Introductions, Goals</i>
9:00-9:30AM	The Struggle to Get Diagnosed: Why Diagnosis Matters to Patients I Schoeman, S Rane, R Herrera
9:30-10:30AM	TB Diagnostics: the big picture M Pai
10:30-11:00AM	<i>Coffee Break</i>
11:00AM-12:00PM	Panel Discussion: Scale-up of WHO-endorsed diagnostics —Country Experiences & Challenges Moderator: M Pai Panelists: S Khaparde J Ngozo EU Elom KE Khun M Kamene A Lawsonson Z Ndlovu C Hui
12:00-1:00PM	<i>Lunch</i>
1:00-1:45PM	TB Diagnostics Pipeline & Landscape & TPPs C Denkinger
1:45-2:30PM	Panel Discussion: Can industry and donors fill the gaps? Moderator: J Gallarda Panelists: Industry Participants
2.30-3:00PM	Resources for product developers: TB Dx Critical Pathway, Pipeline Tracker & Beyond A Suresh
3:00-3:30PM	<i>Coffee Break</i>
3:30-4.00PM	New TB drugs and regimens S Malhotra
4.00-5:00PM	Panel Discussion: Aligning the emerging TB drug and diagnostic pipelines Moderator: Z Temesgen Panelists: J Gallarda C Denkinger S Khaparde S Malhotra M Kamene Industry rep
5:00-5:15PM	<i>Group Picture</i>
6:00-7:30PM	<i>Welcome Reception</i> Venue: Notman House (51 Sherbrooke St W, Montreal QC H2X 1X2) 10 min walk on Sherbrooke—Food and non-alcoholic drinks free. Alcoholic drinks for purchase.

DAY 2 AGENDA

TUESDAY, JUNE 19

Time

9:00-9:45AM

Optimizing diagnostic lab networks for impact
H Albert

9:45-10:15AM

How feasible is a \$5 POC molecular test?
J Gallarda

10:15-10:45AM

Coffee Break

10:45-11:15AM

Triage testing: approaches to generating evidence
R Nathavitharana

11:15-11:45AM

Chest radiology & CAD as triage
C Denkinger

11:45-12:15PM

CRP as triage
C Yoon

12:15-1:00PM

Lunch

1:00-2:30PM

Debate: Is the TB field ready for routine use of NGS?

Absolutely: V Nikolayevskyy **Not quite:** R Lee

Panel discussion moderated by A Suresh Voices from the field & industry: A Lawanson, R Sarin, C Hui, EU Elom, KE Khun, Industry rep

2:30-3:00PM

QFT-Plus: what is the evidence?
N Banaei (via Zoom)

3:00-3:30PM

Coffee Break

3:30-4:00PM

Do we need a GAVI for diagnostics?
J Gallarda

4:00-5:15PM

TB TECH PITCH Product developers will pitch their product ideas & get feedback

DNA GenoTek
bioMerieux
Qure.ai (TBC)

Cepheid
ProteinLogic
Transasia

Oxford Immunotec
Blink
Abbott/Alere

QuantumDx
ClearWater
Roche (TBC)

DAY 3 AGENDA

WEDNESDAY, JUNE 20

Time

9:00-9:45AM

Surrogate endpoints in global health research: searching for killer apps & silver bullets?
M Pai

9:45-10:30AM

Strengthening lab capacity for TB diagnosis and care in LMICs: Setting the bar
K England

10:30-10:50AM

Coffee Break

10:50-11:40AM

Qualitative research: how can it improve product design and implementation?
N Engel

11:40AM-12:15PM

New tool uptake: market intel & role of Global Drug Facility
W Van Gemert

12:15-1:15PM

Lunch

1:15-2:00PM

Active case finding: lessons from TB REACH
A Khan

2:00-2:40PM

Urine LAM detection: what is the future?
E Moreau

2:40-3:10PM

Coffee Break

3:10-4:10PM

Panel discussion: Essential Diagnostics List: opportunity for TB?

Moderator: M Pai

Panelists:	Industry rep	J Ngozo
	M Kamene	A Lawanson
	R Sarin	C Hui
	K Walia	W Van Gemert

4:10-5:00PM

Panel discussion: Can we overcome barriers to latent TB testing in LMICs?

Moderator: M Pai

Panelists:	G Lei	S Khaparde
	A Lawanson	I Schoeman
	C Hui	R Herrera
	J Ngozo	Industry rep

DAY 4 AGENDA

THURSDAY, JUNE 21

Time

9:00-10:15AM

Systematic reviews of diagnostic accuracy
K Steingart

10:15-10:45AM

SR: case study: Xpert for EPTB
M Kohli

10:45-11:15AM

Coffee Break

11:15AM-12:00PM

SR: case study: biomarkers for active TB diagnosis
E MacLean

12:00-12:45PM

Lunch

12:45-1:50PM

Guideline development in TB diagnostics
K Steingart

1:50 – 2:40PM

Quality improvement in TB
A Cattamanchi

2:40-3:00PM

Coffee Break

3:00-4:00PM

Panel discussion: Multi-disease testing: current status and future prospects
Presenter: Z Ndlovu Moderator: M Pai

Panelists:	I Schoeman	S Khaparde
	K England	A Cattamanchi
	J Arturo	Industry rep

4:00-5:30PM

Advocacy for improving TB diagnosis & care

- | | |
|--|--------------------------------|
| ▪ How can survivors advocate for better diagnostics? | S Rane, R Herrera & I Schoeman |
| ▪ Engaging media for effective advocacy | S Kanwar |
| ▪ RESULTS's work in TB advocacy | S Garnham |
| ▪ Advocating to policy makers | K Raghavan |

DAY 5 AGENDA

FRIDAY, JUNE 22

Time

9:00-9:45AM

Modeling of TB diagnostics: principles
A Zwerling & O Oxlade

9:45-10:30AM

Case studies in modeling
A Zwerling & O Oxlade

10:30-11:00AM

Coffee Break

11:00-11:45AM

Cost effectiveness analysis of TB diagnostics: principles
O Oxlade & A Zwerling

11:45AM-12:30PM

Case studies in cost-effectiveness
O Oxlade & A Zwerling

12:30-1:15PM

Lunch & closure