



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 – 5:10PM | 9:00AM – 5:15PM | 9:00AM – 5:10PM | 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



GLOBAL HEALTH PROGRAMS | PROGRAMMES DE SANTÉ MONDIALE



McGill International TB Centre



Institut de recherche | Research Institute
Centre universitaire de santé McGill | McGill University Health Centre

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



Interdisciplinary Initiative in Infection and Immunity

Course Location: Centre Mont Royal, 2200 rue Mansfield, 3rd Floor

Course readings and presentations: http://bit.ly/AdvancedTB_18

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

DAY 1 AGENDA

MONDAY, JUNE 18

Time

8:00AM

Registration

8:30-9:00AM

Welcome, introductions, goals

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

Coffee Break

11:00AM-12:00PM

Panel Discussion: Scale-up of WHO-endorsed diagnostics —Country experiences & challenges

Moderator: M Pai

Panelists: S Khaparde J Ngozo C Garfin

EU Elom K Kim Eam

M Kamene Z Ndlovu

12:00-1:00PM

Lunch

1:00-1:50PM

TB Diagnostics Pipeline & Landscape & TPPs
C Denkinger

1:50-2:45PM

Panel Discussion: Can industry and donors fill the gaps?

Moderator: J Gallarda

Panelists: N Rozen-Adler A Piatek C Denkinger

L Tisi R Prieur H AlMossawi

2:45-3:20PM

Coffee Break

3:20-3:40PM

Resources for product developers: TB Dx Critical Pathway, Pipeline Tracker & beyond
A Suresh

3:40-4:10PM

New TB drugs and regimens: where are we headed?
S Malhotra

4:10-5:10PM

Panel Discussion: Aligning the emerging TB drug and diagnostic pipelines

Moderator: M Pai

Panelists: J Gallarda C Denkinger

S Khaparde S Malhotra

M Kamene C Garfin

5:10-5:20PM

Group Picture

6:00-7:30PM

Welcome Reception

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

How feasible is a \$5 POC molecular test?

J Gallarda

9:45-10:15AM

Urine LAM detection: what is the future?

E Moreau

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

11:45AM-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: R Sarin, EU Elom, M
Kamene, C Garfin, K England, L Tisi

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

ProteinLogic

Oxford Immunotec

QuantumDx

Yenepoya/McGill

Erba

Blink



DAY 3 AGENDA

WEDNESDAY, JUNE 20

Time

9:00-9:30AM

Assessment of TB diagnostic networks: a new tool

A Piatek

9:30-10:00AM

Strengthening lab capacity for TB diagnosis and care in LMICs

K England

10:00-10:30AM

Optimizing device placement and lab networks for impact

H Albert

10:30-10:50AM

Coffee Break

10:50-11:40AM

Aligning diagnostics to the POC: takeaways for innovators, decision-makers and evaluators

N Engel

11:40AM-12:15PM

New tool uptake & role of Global Drug Facility

W Van Gemert (via Zoom)

12:15-1:15PM

Lunch

1:15-2:00PM

Active case finding: lessons from TB REACH

A Khan

2:00-2:40PM

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

M Pai

2:40-3:10PM

Coffee Break

3:10-4:10PM

Panel discussion: Essential Diagnostics List: opportunity for TB?

Moderator: M Pai

| | | |
|------------|----------|----------|
| Panelists: | EU Elom | J Ngozo |
| | M Kamene | H Albert |
| | R Sarin | K Walia |

4:10-5:10PM

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

Moderator: M Pai

| | | |
|------------|----------|--------------|
| Panelists: | G Lei | S Khaparde |
| | C Garfin | I Schoeman |
| | J Ngozo | R Herrera |
| | | A Tattersall |



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 | <i>Coffee Break</i> |
| 11:15AM-12:00PM | SR: case study: biomarkers for active TB diagnosis E MacLean |
| 12:00-12:45PM | <i>Lunch</i> |
| 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 | <i>Coffee Break</i> |
| 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 JA Martinez-Orozco S Denamps |
| 4:00-5:30PM | Advocacy for improving TB diagnosis & care <ul style="list-style-type: none">▪ How can survivors advocate for better diagnostics? S Rane, R Herrera & I Schoeman▪ Engaging media for effective advocacy S Kanwar▪ UN High Level Meeting on TB S Garnham▪ Advocating to policy makers K Raghavan |
| 5:30-6:30PM |  Reception by RESULTS Canada Location: Centre Mont-Royal, Mezzanine level <small>the power to end poverty</small> |

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 | <i>Coffee Break</i> |
| 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 | <i>Lunch & closure</i> |

FUNDERS



USAID
FROM THE AMERICAN PEOPLE

TB CARE II

SPONSORS

GOLD



SILVER



TRANSASIA[®]
No.1 Diagnostic Company in India

ThermoFisher
SCIENTIFIC



BRONZE



SUPPORTER



PARTNERS



Global Health Delivery Project

