



**McGill Summer Institute in Infectious Diseases and Global Health**

**MCGILL UNIVERSITY • MONTREAL • JUNE 17-19, 2019**

# ADVANCED TB DIAGNOSTICS

DAY 1	DAY 2	DAY 3
Mon • June 17	Tues • June 18	Wed • June 19
8:00AM – 5:30PM	9:00AM – 5:30PM	8:30AM – 12:30PM
<ul style="list-style-type: none"> <li>• Patient voices</li> <li>• Re-imagining TB diagnosis and care</li> <li>• Dx pipeline</li> <li>• Innovator and NTP voices</li> </ul>	<ul style="list-style-type: none"> <li>• Incipient TB and triage tests</li> <li>• Evidence synthesis and guidelines</li> <li>• Advocacy</li> <li>• Tech pitch</li> </ul>	<ul style="list-style-type: none"> <li>• Modeling &amp; cost-effectiveness</li> <li>• Barriers to LTBI Dx</li> <li>• GDF/procurement</li> </ul>

**HOSTS**



GLOBAL HEALTH PROGRAMS



A PAHO/WHO Collaborating Centre for Tuberculosis Research



Interdisciplinary Initiative in Infection and Immunity



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

**Course Location:** Centre Mont Royal, 2200 rue Mansfield, 3<sup>rd</sup> Floor

\* Faculty and speaker information is available in the [Ukova](#) event app\*

# DAY 1 AGENDA

## MONDAY, JUNE 17

### Time

8:00AM

8:30-9:00AM

9:00-9:30AM

9:30-10:30AM

10:30-11:00AM

11:00AM-12:00PM

12:00-1:00PM

1:00-1:50PM

1:50-2:50PM

2:50-3:20PM

3:20-4:00PM

4:00-5:15PM

5:15PM

### *Registration*

#### **Welcome, introductions, goals**

#### **The struggle to get diagnosed: Why diagnosis matters to patients**

Rhea Lobo, Kate O'Brien, Priya Amin, Sneha Dedhia

#### **Re-imagining TB diagnosis and care**

Madhu Pai

### *Coffee Break*

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

Moderator: Madhu Pai

Panelists: Daksha Shah                      Lindiwe Mvusi                      Adebola Lawanson  
                    Aubid Allah Khan                      Xia Yu

### *Lunch*

#### **TB Diagnostics Pipeline & Landscape & TPPs**

Samuel Schumacher

#### **Panel Discussion: How can we overcome the valleys of death with TB innovations?**

Moderator: Jacqueline Huh

Panelists: Karen Heichman                      Leah Ekblad                      Katherine Melville  
                    Samuel Schumacher                      Ammar Jagirdar                      Andrea Tattersall

### *Coffee Break*

#### **New TB drugs and regimens: where are we headed?**

Sarah Cook-Scalise

#### **Panel Discussion: Human-centered design to re-imagine TB care**

Intro to HC-Design: Melissa Atkinson-Graham & Tania Ahmad

Relevance to TB: Rhea Lobo                      Priya Amin  
                    Kate O'Brien                      Jacqueline Huh  
Panelists: Sneha Dedhia                      Vidya Krishnan

### *Group photo*

# DAY 2 AGENDA

## TUESDAY, JUNE 18

### Time

9:00-9:40AM

#### Progress with incipient TB test

Samuel Schumacher

9:40-10:15AM

#### Urine LAM detection: what is the future?

Karen Heichman

10:15-10:45AM

*Coffee Break*

10:45-11:15AM

#### Triage testing: approaches to generating evidence

Ruvandhi Nathavitharana

11:15-11:45AM

#### CRP as triage

Adrienne Shapiro

11:45AM-12:30PM

#### Panel discussion: Leveraging Artificial Intelligence & Data for advancing TB diagnosis

Moderator: Madhu Pai

Panelists: Simon Grandjean-Lapierre

Raghu Dharmaraju

Faiz Khan

Ammar Jagirdar

Leah Ekblad

12:30-1:15PM

*Lunch*

1:15-2:15PM

#### Evidence synthesis and guideline development in TB Dx

Karen Steingart

2:15-3:15PM

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

**Absolutely:** Kathleen England

**Not quite:** S Grandjean-Lapierre

3:15-3:30PM

*Coffee Break*

3:30-4:30PM

#### Panel discussion: Importance of advocacy & media in improving TB diagnosis and care

Moderator: Vidya Krishnan

Panelists: Shelley Garnham

Rhea Lobo

Kate O'Brien

Sneha Dedhia

Priya Amin

Pratyush Pranav

Meaghan Derynck

4:30-5:40PM

### TB TECH PITCH

Product developers will pitch their product ideas & get feedback

Oxford Immunotec

Qure.ai

Oxford Nanopore

SystemOne

Genedrive

Wadhvani AI

IISc

DNA Genotek

Mologic

5:40-6:30PM

Reception hosted by RESULTS Canada

**RESULTS**  
Canada

the power to end poverty



# DAY 3 AGENDA

## WEDNESDAY, JUNE 19

### Time

8:30-9:30AM

#### **Modeling & cost-effectiveness analyses of TB dx**

Olivia Oxlade

9:30-10:10AM

#### **GeneXpert: lessons learnt & future plans**

Philippe Jacon

10:10-10:30AM

*Coffee Break*

10:30-11:10AM

#### **Solving procurement challenges in TB diagnostics: role of GDF**

Wayne Van Gemert (via Zoom)

11:10-12:15PM

#### **Panel discussion: How can we overcome barriers to latent TB testing in LMICs?**

Moderator: Madhu Pai

Panelists:	Lindiwe Mvusi	Daksha Shah	Adebola Lawanson
	Sneha Dhedia	Andrea Tattersall	John Ramapuram

12:15PM

#### **Evaluations & Closure**

*Participants are welcome to stay for lunch following the course*

5:30-7:30PM

#### **Summer Institute Reception**

Venue: SLK Rd | 2042A, Rue Peel, Montreal, QC H3A 2R4

Food and non-alcoholic drinks free. Alcoholic drinks for purchase.



## FUNDERS



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