




**McGill** | McGill Summer Institute in  
 Infectious Diseases and  
 Global Health  
**MCGILL UNIVERSITY • MONTREAL • JUNE 10-12, 2019**

# GLOBAL HEALTH DIAGNOSTICS

DAY 1	DAY 2	DAY 3
Mon • June 10	Tues • June 11	Wed • June 12
8:30AM – 5:00PM	9:00AM – 5:15PM	9:00AM – 5:00PM
Diagnostics-the big picture, product developers, special populations, Global Health Security	POC, multiplexing, essential diagnostics list, supply chain, and enteric infections	Diagnostics for Fever syndromes and AMR

HOSTS


**McGill** |  GLOBAL HEALTH PROGRAMS


**Centre international de TB McGill** | 
**McGill International TB Centre**  
*A PAHO/WHO Collaborating Centre for Tuberculosis Research*


**MacLean Centre for Tropical Diseases**  
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**McGill** | **M[i]<sup>4</sup>** Interdisciplinary Initiative in Infection and Immunity


**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*

**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 10

### Time

8:30-9:00AM

#### **Registration**

9:00-10:00AM

#### **Welcome & global health diagnostics: The big picture**

Nitika Pant Pai and Cedric Yansouni

10:00-10:30AM

#### **Patient voices: why diagnosis matters**

*Moderator: Nitika Pant Pai*

10:30-11:00AM

*Coffee Break*

11:00-11:40AM

#### **Beyond the multiplex test—toward multiplexed diagnostics platforms for health center in LRS**

Peter Dailey

11:40-12:30PM

#### **Product Developer Panel**

Rigveda Kadam, Wim van de Helm, Ammar Jagirdar, Rohit Mistry,  
Gino Miele, Christine Rousseau, Tania MacKenzie

*Moderator: Cedric Yansouni*

12:30-1:30PM

*Lunch*

1:30-2:15PM

#### **Using technology to strengthen data-driven decision making**

Rigveda Kadam

2:15-3:00PM

#### **Connected diagnostics**

Nitika Pant Pai

3:00-3:30PM

*Coffee Break*

3:30-4:15PM

#### **Point-of-care for hard-to-reach populations: examples and challenges from Canada**

Cedric Yansouni, David Goldfarb, Stéphanie Lavoie, Sean Rourke

*Moderator: Nitika Pant Pai*

4:15-5:00PM

#### **Current status of the global security health agenda**

Trevor Peter

# DAY 2 AGENDA

## TUESDAY, JUNE 11

### Time

9:00-9:45AM

**Complexity of multiplexing: from individual clinical decision making to population epidemiology**

Christine Rousseau

9:45-10:30AM

**Implementation of POCTs for Hepatitis B/C in the Asia Pacific: research priorities to scale up access**

Tanya Applegate

10:30-11:15AM

*Coffee Break*

11:15-12:00PM

**Global implementation challenges with POC technologies – multi-stakeholder perspectives**

Trevor Peter, Christine Rousseau, Peter Dailey, Rigveda Kadam, Celestine Obiekea

*Moderator: Nitika Pant Pai*

12:00-1:00PM

**Supply chain**

Prashant Yadav (Zoom)

1:00-1:45PM

*Lunch*

1:45-2:30PM

**Essential diagnostics list**

Lee Schroeder, Trevor Peter, Mikashmi Kohli

*Moderator: Madhukar Pai*

2:30-3:15PM

**Enteric infections diagnostics—landscape and pipeline**

Rashidul Haque

3:15-4:00PM

**Which technology do we implement to reduce mortality from diarrhea in LRS?**

Rashidul Haque, David Goldfarb, Jeff Pernica, Peter Dailey, Christine Rousseau

*Moderator: Cedric Yansouni*

4:00-4:15PM

*Coffee Break*

4:15-5:15PM

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

Roche    Qure.ai    Owen Mumford    Genedrive    Mologic

*(Other companies are being confirmed)*

# DAY 3 AGENDA

## WEDNESDAY, JUNE 12

### Time

9:00 – 9:10AM

#### **Welcome**

Makeda Semret, Erika Vlieghe, Nitika Pant Pai & Cedric Yansouni

9:10 – 9:40AM

#### **AMR: a global overview**

Heiman Wertheim

9:40 – 10:00AM

#### **Rapid tests for febrile syndromes: the problem or a solution?**

Emmanuel Bottieau

10:00 – 10:30AM

*Coffee Break*

10:30 – 11:00AM

#### **A primer on MDRO: focus on phenotypes or on genotypes?**

Christian Lavallée

11:00 – 12:00PM

#### **Panel discussion: What are the critical diagnostic needs for AMR?**

Jennifer Osborn, Christian Lavallée, Heiman Wertheim, Emmanuel Bottieau, Peter Dailey

*Moderator: Cedric Yansouni*

12:00 – 12:10PM

*Group photo*

12:10 – 1:00PM

*Lunch*

1:00 – 1:20PM

#### **Lab strengthening in LRS: the Ethiopian example**

Makeda Semret & Cedric Yansouni

1:20 – 2:00PM

#### **Innovations in diagnostics for LRS: a case example in Vietnam**

Heiman Wertheim

2:00 – 2:45PM

#### **Panel Discussion: Challenges and opportunities for lab strengthening within health systems**

Cedric Yansouni, Trevor Peter, Madhukar Pai, Michael Libman, Jane Carter

*Moderator: Makeda Semret*

2:45 – 3:15PM

*Coffee Break*

3:15 – 3:45PM

#### **Accelerating diagnostics: CARB-X and other initiatives**

Jennifer Osborn

3:45 – 4:15PM

#### **Drug tolerance vs drug resistance: threat and opportunity**

Dao Nguyen

4:15 – 4:45PM

#### **Wrap-up Global Health Diagnostics**

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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