



**McGill**

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

McGILL UNIVERSITY • MONTREAL • JUNE 11-15, 2018

# GLOBAL HEALTH DIAGNOSTICS

## DAY 1

Mon • June 11

8:00AM – 5:00PM

Patient voices,  
Product development,  
R&D, Diagnostic  
needs and regulation

## DAY 2

Tues • June 12

9:00AM – 5:30PM

HIV & chronic viral  
infection diagnostics,  
Tech Pitch

## DAY 3

Wed • June 13

9:00AM – 5:00PM

STBBIs, Global Health  
Security, Global  
Alliance, mHealth,  
Supply Chain,  
Pathology labs, Fever

## DAY 4

Thurs • June 14

9:00AM – 5:00PM

Malaria, Emerging  
Infections,  
Respiratory  
Infections, Enteric  
Infections, Essential  
Diagnostics List

## DAY 5

Fri • June 15

9:00AM – 3:15PM

NTDs & Antimicrobial  
resistance

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 11

### Time

8:00AM

8:30-9:00AM

9:00-9:30AM

9:30-10:15AM

10:15-10:45AM

10:45-11:30AM

11:30AM-12:15PM

12:15-1:00PM

1:00-1:30PM

1:30-2:45PM

2:45-3:15PM

3:15-4:00PM

4:00-5:00PM

5:15PM

### **Registration**

*Welcome, Introduction, Goals*

### **Global Health Diagnostics: The big picture**

C Yansouni, N Pant Pai & M Pai

### **Patient & Community Voices: Why timely and accurate diagnosis matters?**

Moderator: N Pant Pai

Panelists: T Norris Treatment Action Group  
S Rane MSF & COCQ-SIDA

### *Coffee Break*

### **Panel Discussion: What are the critical diagnostic needs in resource-limited countries?**

Moderator & Presenter: C Yansouni

Panelists: T Peter E Fajardo  
K Walia E Emeka  
N Correa J Arturo Martinez  
C Ugarte Gil

### **Panel Discussion: How are product developers addressing needs & what barriers do they face?**

Moderator: C Yansouni/N Pant Pai

Panelists: V Kulkarni R Gadde  
V Jonas D Blair  
G Graham M Miller

### *Lunch*

### **Framework for Global Health Diagnostics Product Development**

R Gadde

### **Panel Discussion: Re-imagining the role of centralized testing in LMICs: New priorities, connectivity, specimen transport, and beyond**

Moderator & Presenter: C Yansouni

Panelists: M Ndao J Broadhurst  
L Schroeder S Badman  
B Gay TBA

### *Coffee Break*

### **Global Health Security: What is the role of diagnostics?**

T Peter

### **Evaluating Novel Diagnostics During Outbreaks**

J Broadhurst

### *Group Picture*

### **Welcome Reception | 6:00-7:30PM**

Venue: Notman House (51 Sherbrooke St W, Montreal H2X 1X2)  
10 min walk on Sherbrooke—Food and non-alcoholic drinks free.

# DAY 2 AGENDA

## TUESDAY, JUNE 12

Time																
9:00-9:45AM	<b>HIV Diagnostics: Landscape, pipeline, priorities &amp; market</b> T Peter															
9:45-10:30AM	<b>Alternative technologies &amp; strategies for HIV diagnosis</b> J Kim															
10:30-11:00AM	<i>Coffee Break</i>															
11:00-11:30AM	<b>HIV Self testing: from policy to scale up</b> N Pant Pai															
11:30AM-12:00PM	<b>Measuring HIV: monitoring, resistance &amp; adherence</b> P Drain															
12:00-1:00PM	<i>Lunch</i>															
1.00-1.40 PM	<b>Using Implementation Science to enhance the impact of POC tests</b> S Badman															
1.40-2:30PM	<b>Multi-disease testing platforms: how can we optimize their impact?</b> P Dailey															
2:30-3:00PM	<i>Coffee Break</i>															
3:00-4:00PM	<b>Panel Discussion: Elimination of STBBIs: role for diagnostics</b> Moderator: N Pant Pai															
	<table border="0"> <tr> <td>Panelists:</td> <td>D Blair</td> <td>S Badman</td> </tr> <tr> <td></td> <td>T Peter</td> <td>P Drain</td> </tr> <tr> <td></td> <td>R Gadde</td> <td>J Kim</td> </tr> </table>	Panelists:	D Blair	S Badman		T Peter	P Drain		R Gadde	J Kim						
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	T Peter	P Drain														
	R Gadde	J Kim														
4:00-5:30PM	<b>TECH PITCH</b> Product developers will pitch their product ideas and get candid feedback. Moderators: C Yansouni															
	<table border="0"> <tr> <td>BD</td> <td>DNA GenoTek (TBC)</td> <td>FIND</td> <td>Transasia (TBC)</td> <td>GenePOC</td> </tr> <tr> <td>ThermoFisher</td> <td>bioMerieux</td> <td>Fio Corp (TBC)</td> <td>Erba Molecular (TBC)</td> <td>Hologic (TBC)</td> </tr> <tr> <td>Roche (TBC)</td> <td>Cepheid</td> <td></td> <td>Abbott</td> <td></td> </tr> </table>	BD	DNA GenoTek (TBC)	FIND	Transasia (TBC)	GenePOC	ThermoFisher	bioMerieux	Fio Corp (TBC)	Erba Molecular (TBC)	Hologic (TBC)	Roche (TBC)	Cepheid		Abbott	
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Roche (TBC)	Cepheid		Abbott													

# DAY 3 AGENDA

## WEDNESDAY, JUNE 13

Time	
9:00-9:40AM	<b>Exploring the Case for a Global Alliance for Medical Diagnostics Initiative</b> P Drain
9:40-10:20AM	<b>Pathology and Laboratory Medicine in LMICs: Lancet Series</b> J Flanigan
10:20-11:00AM	<i>Coffee Break</i>
11:00-11:40AM	<b>HPV prevention: reaching 90-90-90 by 2030</b> M Steben
11:40AM-12:00PM	<b>HPV patient first, empowerment in 2018</b> T Norris
12:00-1:00PM	<i>Lunch</i>
1:00-1:40PM	<b>Hepatitis Diagnosis: landscape, pipeline, priorities &amp; market</b> E Fajardo
1:40-2:10PM	<b>Supply Chain Management</b> P Yadav (via Zoom)
2:10 PM-2:55 PM	<b>Panel Discussion: mHealth, connected diagnostics, AI &amp; big data- where are we?</b> Moderator: N Pant Pai Panelists: J Baker M Semret M Greenberg T Peter E Fajardo G Bhat
2:55- 3: 20PM	<b>Regulation of Diagnostics: Challenges and Opportunities</b> R Peeling (via Zoom)
3:20-3:40PM	<i>Coffee Break</i>
3:40-4:15PM	<b>Diagnostics for Acute Febrile Illness: landscape, pipeline, priorities &amp; market</b> TBA
4:15-5:00PM	<b>Panel Discussion: Acute Febrile Illness: needs and priorities</b> Moderator: C Yansouni Panelists: A Tenna D Pillai J Daily (TBC) B Pinsky K Walia

# DAY 4 AGENDA

## THURSDAY, JUNE 14

Time	
9:00-9:45AM	<b>Malaria Diagnostics: Landscape, pipeline, priorities &amp; market</b> D Pillai
9:45-10:30AM	<b>Diagnosis of emerging viral infections</b> B Pinsky
10:30-10:50AM	<i>Coffee Break</i>
10:50-11:30AM	<b>Diagnosis of acute respiratory viral infections</b> J Papenburg
11:30AM-12:10PM	<b>TB Diagnostics: Landscape, pipeline, priorities &amp; market</b> M Pai
12:10-1:00PM	<i>Lunch</i>
1:00-1:45 PM	<b>The last mile challenge of diagnostics: case study of TB testing in remote Peruvian communities</b> C Ugarte-Gil
1:45-2:40PM	<b>Diagnostics for enteric infections: Landscape and key questions</b> D Goldfarb
2:40-3:10PM	<i>Coffee break</i>
3:10-3:55PM	<b>Panel Discussion: Diagnostics for enteric infections: New paradigm, new attitudes?</b> Moderator: C Yansouni    Presenter: J Pernica  Panelists:    D Goldfarb                      C Kelly M Libman                         D Seifu K Walia                            J Pernica
3:55-5:00PM	<b>Panel Discussion: Essential Diagnostics List: how can we maximize impact?</b> Moderator: M Pai  Presenters:    • WHO EDL : Progress and Challenges                      M Pai • India's EDL process    K Walia • Aligning EML with EDL                                         L Schroeder

# DAY 5 AGENDA

## FRIDAY, JUNE 15

Time	
9:00-9:45AM	<b>NTD Diagnostics: Landscape, pipeline, priorities &amp; market</b> C Yansouni
9:45-10:15AM	<b>Diagnostics for Filarial and Strongyloides Infections</b> T Nutman
10:15-10:45AM	<i>Coffee Break</i>
10:45-11:30AM	<b>Panel Discussion: NTDs: Unmet needs and priorities</b> Moderator: C Yansouni Panelists: D Seifu M Libman G Matlashewski T Nutman T Gyorkos A Tenna
11:30AM-12:00PM	<b>Diagnostics for Chagas Disease in 2018</b> M Ndao
12:00-1:00PM	<i>Lunch</i>
1.00 – 1.30 PM	<b>Challenges of developing diagnostic products for AMR and outbreaks</b> C Kelly
1:30-2.15PM	<b>How industry is tackling diagnostics for antimicrobial resistance</b> M Miller
2.15-3.15PM	<b>Panel Discussion: Diagnostics for antimicrobial resistance</b> Moderator: C Yansouni Presenter: Erika Vleighe (TBC) Panelists: E Vleighe TBC M Semret M Miller C Kelly S Badman K Walia
3.15PM	<i>Course evaluations and feedback</i> C Yansouni