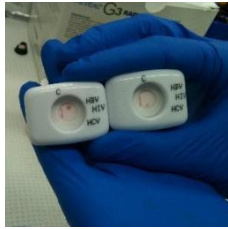


# GLOBAL HEALTH DIAGNOSTICS

MCGILL UNIVERSITY • MONTREAL • JUNE 12-16, 2017



## COURSE DIRECTORS

**Cédric Yansouni, MD, FRCPC, DTM&H**  
**Nitika Pant Pai, MD, MPH, PhD**  
**Madhukar Pai, MD, PhD**

### DAY 1

Mon • June 12

8.30AM – 5.00PM

Value chain, product development, R&D, needs, AMR, regulation

### DAY 2

Tues • June 13

9.00AM – 5.30PM

Molecular dx, HIV diagnostics, Tech Pitch

### DAY 3

Wed • June 14

9.00AM – 5.00PM

STIs, viral illnesses; mHealth, connectivity, global health security, fever

### DAY 4

Thurs • June 15

9.00AM – 5.00PM

TB, Essential Diagnostics, Malaria, Zika; supply chain issues; NTDs

### DAY 5

Fri • June 16

9.00AM – 3.15PM

NTDs & Enteric diagnostics

HOSTS



GLOBAL HEALTH PROGRAMS

PROGRAMMES DE SANTÉ MONDIALE

Centre international de TB McGill



McGill International TB Centre



J.D. MacLean Centre for Tropical Diseases  
 Centre J.D. Maclean pour les Maladies Tropicales

Institut de recherche  
 Centre universitaire de santé McGill



Research Institute  
 McGill University Health Centre



McGill

Institute of Parasitology

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

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



McGill




McGill Summer Institute in Infectious Diseases and Global Health

VENUE

Centre Mont-Royal  
 2200 Rue Mansfield,  
 Montréal, QC H3A 3R8

# DAY 1 AGENDA

## MONDAY, JUNE 12

Time	
8.00AM	<b>Registration</b>
8.30-9.00AM	<i>Welcome, Introductions, Goals</i>
9.00-9.30AM	Global health diagnostics: The big picture C Yansouni, N Pant Pai & M Pai
9.30-10.30AM	<b>Panel Discussion: What are the critical diagnostic needs in resource-limited countries?</b> Moderator & Presenter: C Yansouni Panelists: I Jani R Kanapathipillai S Dittrich W Abebe J Ortellado-Canese N Venkatesan 
10.30-11.00AM	<i>Coffee Break</i>
11.00AM-12.00PM	<b>Panel Discussion: How are product developers addressing needs &amp; what barriers do they face?</b> Moderator: M Pai Presenter: C Kelly-Cirino Panelists: R Luo V Jonas A Stewart N Pollock T Leader J Gallarda G Johns N Mapara 
12.00-1.00PM	<i>Lunch</i>
1.00-1.30PM	Framework for global health diagnostics product development T Leader
1.30-2.45PM	<b>Panel Discussion: Diagnostics for antimicrobial resistance</b> Moderator: C Yansouni Presenter: R Kanapathipillai Panelists: E Guillen J Gallarda R Luo M Semret T Leader C Kelly-Cirino D Chavan 
2.45-3.15PM	<i>Coffee Break</i>
3.15-4.00PM	Regulation of Diagnostics: Challenges and Opportunities S Dittrich & C Kelly-Cirino
4.00-4.50PM	Evaluating novel diagnostics during outbreaks N Pollock
5.00-5.15PM	<i>Group Picture</i>
5.30-6.30PM	<i>Summer Institute Social</i> Venue: Students' Society of McGill University (3480 rue McTavish, Montreal, QC, H3A 1X9) <i>Complimentary snacks and non-alcoholic drinks—Wine can be purchased with cash</i>

# DAY 2 AGENDA

## TUESDAY, JUNE 13

Time
9.00-9.40AM
9.40-10.30AM
10.30-11.00AM
11.00AM-12.00PM
12.00-1.00PM
1.00-2.00PM
2.00-2.30PM
2.30-3.00PM
3.00-4.00PM
4.00-5:30PM

Point-of-care molecular testing: landscape and prospects  
G Johns

**Panel Discussion:** Are resource-limited countries ready for molecular testing?  
Moderator: C Yansouni

Panelists:	P Dailey	V Jonas
	L Schroeder	C Kelly-Cirino
	A Dissou	S Shenoy
	G Johns	J Gallarda



*Coffee Break*

HIV diagnostics: landscape, pipeline, priorities & market  
I Jani

*Lunch*

**Panel Discussion:** Implementation science to enhance the impact of HIV diagnostics  
Moderator: N Pant Pai      Presenter: I Jani

Panelists:	I Jani	T Amukele
	R Kanapathipillai	B Meggi
	J Kim	A Kwizera
	D Drljaca	S Ravishankar



Dried blood spots for HIV diagnosis  
J Kim

*Coffee Break*

**Panel Discussion:** HIV self-testing: from policy to scale-up  
Moderator & Presenter: N Pant Pai

Panelists:	I Jani	J Kim
	S Ravishankar	R Thomas
	S Padidar	A Stewart



**TECH PITCH** Product developers will pitch their product ideas and get candid feedback. Moderators: N Pant Pai & C Yansouni

Alere	Roche	FIND/ MSF	Specific Tech/FIND	Vela Diagnostics
Cepheid	DNA GenoTek	Fio Corp	PATH	Hologic

# DAY 3 AGENDA




## WEDNESDAY, JUNE 14

Time	
9.00-9.30AM	Point-of-Care Testing for Non-communicable Diseases in Resource-Limited Settings L Schroeder
9.30-10.15AM	HPV Diagnosis: Landscape, Pipeline, Priorities & Market M Steben
10.15-10.40AM	<i>Coffee Break</i>
10.40-11.40AM	<b>Panel discussion: Future of STI and Blood-borne Infection Diagnosis</b> Moderator & Presenter: N Pant Pai
	Panelists: R Luo R Thomas B Meggi Rupa K T Peter S Badman P Dailey M Steben
11.40AM-12.15PM	Hepatitis Diagnostics: Landscape, Pipeline, Priorities & Market R Luo
12.15-1.00PM	<i>Lunch</i>
1.00-2.00PM	<b>Panel discussion: mHealth and Connected Diagnostics</b> Moderator: N Pant Pai Presenter: M Greenberg
	Panelists: M Greenberg J Baker G Bhat K Nichols S Dittrich T Amukele T Peter S Padidar
2.00-2.45PM	Global health security: what role for diagnostics? T Peter
2.45-3.15PM	<i>Coffee Break</i>
3.15-4.00PM	Diagnostics for Acute Febrile Illness: Landscape, Pipeline, Priorities & Market V D'Acremont
4.00 -5.00PM	<b>Panel discussion: Acute Febrile Illness: Needs and Priorities</b> Moderator: C Yansouni
	Panelists: V D'Acremont T Leader D Goldfarb S Dittrich R Kanapathipillai E Guillen





# DAY 4 AGENDA

## THURSDAY, JUNE 15

Time													
9.00-9.45AM	Malaria Diagnostics: Landscape, Pipeline, Priorities & Market V D'Acremont												
9.45-10.20AM	Diagnosis of Zika B Pinsky (via Zoom)												
10.20-10.50AM	<i>Coffee Break</i>												
10.50-11.40AM	TB Diagnostics: Landscape, Pipeline, Priorities & Market M Pai												
11.40AM-12.00PM	POC TB Molecular Testing: Are We There Yet? D Persing												
12.00-12.45PM	<i>Lunch</i>												
12.45-1.45PM	<b>Panel discussion: Do We Need a GAVI for Diagnostics?</b> Moderator: M Pai <table><tr><td>Panelists:</td><td>J Gallarda</td><td>A Suresh</td></tr><tr><td></td><td>L Schroeder</td><td>D Persing</td></tr><tr><td></td><td>T Amukele</td><td>S Padidar</td></tr><tr><td></td><td>G Johns</td><td>T Peter</td></tr></table> 	Panelists:	J Gallarda	A Suresh		L Schroeder	D Persing		T Amukele	S Padidar		G Johns	T Peter
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	L Schroeder	D Persing											
	T Amukele	S Padidar											
	G Johns	T Peter											
1.45-2.30PM	Supply Chain for Diagnostics P Yadav (via Zoom)												
2.30-2.50PM	<i>Coffee Break</i>												
2.50-4.10PM	<b>Panel discussion: Time for an Essential Diagnostics List?</b> Moderator: M Pai      Presenters: L Schroeder ("Why, What and How?") D Persing ("EDL-Industry Perspective") <table><tr><td>Panelists:</td><td>L Schroeder</td><td>S Dittrich</td></tr><tr><td></td><td>T Amukele</td><td>J Gallarda</td></tr><tr><td></td><td>T Peter</td><td>D Persing</td></tr></table> 	Panelists:	L Schroeder	S Dittrich		T Amukele	J Gallarda		T Peter	D Persing			
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	T Amukele	J Gallarda											
	T Peter	D Persing											
4.00-5.00PM	<b>Panel discussion: How Can We Improve Laboratory Capacity &amp; Sample Transport in Low-Income Countries</b> Moderator: M Pai      Presenter: T Amukele <table><tr><td>Panelists:</td><td>M Ndao</td><td>K Nichols</td></tr><tr><td></td><td>L Schroeder</td><td>S Dittrich</td></tr><tr><td></td><td>R Kanapathipillai</td><td>J Broadhurst</td></tr><tr><td></td><td>P Dailey</td><td></td></tr></table> 	Panelists:	M Ndao	K Nichols		L Schroeder	S Dittrich		R Kanapathipillai	J Broadhurst		P Dailey	
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	L Schroeder	S Dittrich											
	R Kanapathipillai	J Broadhurst											
	P Dailey												

# DAY 5 AGENDA

## FRIDAY, JUNE 16

Time													
8.30-9.45AM	Diagnostics for Filarial and Strongyloides Infections T Nutman												
9.45-10.15AM	NTD Diagnostics: Landscape, Pipeline, Priorities & Market C Yansouni												
10.15-10.45AM	<i>Coffee Break</i>												
10.45-11.30AM	<p><b>Panel discussion: NTDs: Unmet Needs and Priorities</b> Moderator: C Yansouni</p> <table border="0"> <tr> <td>Panelists:</td> <td>W Abebe</td> <td>M Libman</td> </tr> <tr> <td></td> <td>G Matlashewski</td> <td>M Ndao</td> </tr> <tr> <td></td> <td>T Gyorkos</td> <td>S Dittrich</td> </tr> <tr> <td></td> <td></td> <td>B Achappa</td> </tr> </table> 	Panelists:	W Abebe	M Libman		G Matlashewski	M Ndao		T Gyorkos	S Dittrich			B Achappa
Panelists:	W Abebe	M Libman											
	G Matlashewski	M Ndao											
	T Gyorkos	S Dittrich											
		B Achappa											
11.30AM-12.00PM	Chagas Diagnostics M Ndao												
12.00-1.00PM	<i>Lunch</i>												
1.00-2.00PM	Enteric Infectious Diagnostics: Landscape and Key Questions D Goldfarb												
2.00-3.00PM	<p><b>Point/Counterpoint: Diagnostics are Vital for Treating Enteric Infectious VS Diarrheal Diagnostics are Unlikely to Help and Maybe Harmful</b> Moderator: C Yansouni</p> <table border="0"> <tr> <td>Panelists:</td> <td>D Goldfarb</td> <td>S Dittrich</td> </tr> <tr> <td></td> <td>M Libman</td> <td>W Abebe</td> </tr> <tr> <td></td> <td>C Larson</td> <td>S Dittrich</td> </tr> </table> 	Panelists:	D Goldfarb	S Dittrich		M Libman	W Abebe		C Larson	S Dittrich			
Panelists:	D Goldfarb	S Dittrich											
	M Libman	W Abebe											
	C Larson	S Dittrich											
3.00-3.15PM	Course evaluations and feedback C Yansouni												

## FUNDERS



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