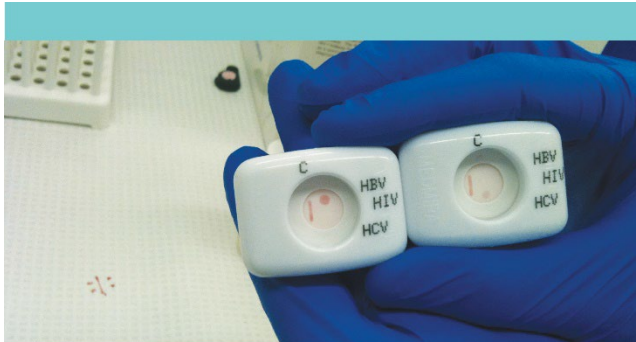




# McGill

## Summer Institutes in Global Health



### Global Health Diagnostics

HYBRID | JUNE 3-5, 2024



# Global Health Diagnostics

June 3-5, 2024

## *Preliminary Agenda*

Course Directors: Dr. Nitika Pant Pai &  
Dr. Cedric Yansouni

**June 3<sup>rd</sup> Day 1: Overview of Point-of-Care (POC) Diagnostics (Dx): Product development, Needs Assessment, Commercialization to Approvals and Global Dx Initiatives**

Time	Program
9:00 – 9:45 AM	<b>Welcome and overview of the course</b> Prof Nitika Pant Pai and Dr. Cedric Yansouni
9:45 – 10:45 AM	<b>Product development to commercialization - NIH funded PORTENT Collaboration</b> Dr. David Erickson, Dr. Saurabh Mehta, Dr. Maria Rahmany, Prof Nitika Pant Pai (15 minutes per speaker)
10:45 – 11:10 AM	<i>Coffee break</i>
11:10 – 11:50 AM	<b>The RADx experience in the USA</b> Dr. Wilbur Lam
	<b>What RADx reveals about the diagnostics ecosystems in other countries</b> Dr. David Juncker
11:50 – 12:15 PM	<b>Panel Discussion: What lessons from successful initiatives can we apply globally to spur the diagnostics sector?</b> Morning speakers
12:15 – 1:15 PM	<i>Lunch Break</i>

1:15 – 1:45 PM	<b>FDx Initiative: Future of Dx in Africa: CDC ASLM Global fund, PEPFAR, FIND</b> Dr. Trevor Peter
1:45 – 2:00 PM	<b>10 min Q&amp;A session</b>
2:00 – 2:30 PM	<b>Digital Health Initiatives for FDx</b> Robia Islam
2:30 – 2:40 PM	<b>10 min Q&amp;A session</b>
2:40 – 3:00 PM	<i>Coffee Break</i>
3:00 – 3:30 PM	<b>Infectious Disease In Vitro Diagnostics: Making the Move from Academia and Entrepreneurship to Product Development</b> Dr. Peter Dailey
3:30 – 4:00 PM	<b>Discussion and concluding remarks</b>

#### June 4<sup>th</sup> Day 2: AMR Diagnostics and Cross Cutting topics: Supply chain

Time	Program
9:00 – 9:15 AM	<b>Welcome message</b> Dr. Cedric Yansouni and Prof Nitika Pant Pai
9:15 – 9:40 AM	<b>Current bacteriology/mycology diagnostic capacity in LRS</b> Dr. Cedric Yansouni
9:40 – 10:05 AM	<b>What's new in automated systems to detect bloodstream infections?</b> Dr. Liselotte Hardy
10:05– 10:30 AM	<b>Next-generation rapid antimicrobial susceptibility testing – landscape and pipeline</b> Dr. Grace Reszetsnik and Dr. Keely Hammond
10:30 – 11:00 AM	<i>Coffee Break</i>
11:00 –11:30 AM	<b>AI in diagnostics</b> Dr. Pierre Marcoux
11:30 – 12:00 PM	<b>Panel discussion</b> (all speakers + others from PPP, funders, industry)
12:00 – 1:00 PM	<i>Lunch Break</i>
1:00 – 1:40 PM	<b>Supply chains for diagnostics</b> Prof Prashant Yadav
1:40 – 2:10 PM	<b>Can distributed manufacturing be applied to diagnostics?</b> Dr. Keith Pardee

2:10 – 2:40 PM	<b>Panel discussion on supply chain issues for LMIC</b> Prof Yadav, Dr. Pardee, Dr. Juncker, FIND, Global Fund
2:40 – 3:00 PM	<i>Coffee Break</i>
3:00 – 4:00 PM	<b>Tech pitches</b>

### June 5<sup>th</sup> Day 3: Implementation science, Pandemic preparedness, Translational initiatives

Time	Program
9:00 – 9:15 AM	<b>Welcome message</b> Prof Nitika Pant Pai & Dr. Cedric Yansouni
9:15 – 9:45 AM	<b>Community-led innovations in diagnostics</b> Dr. Joseph Tucker
9:45 – 9:55 AM	<b>10 min Q&amp;A session</b>
9:55– 10:20 AM	<b>Molecular Screening Initiatives in India</b> Dr. Suma Nair
10:20 – 10:30 AM	<b>10 min Q&amp;A session</b>
10:30 –11:00 AM	<i>Coffee Break</i>
11:00 – 11:30 AM	<b>STAR projects – Stopping Syphilis Transmission in Arctic communities</b> Dr. Cedric Yansouni
11:30 – 12:00 PM	<b>Panel discussion on implementation science and translational initiatives</b>
12:00 – 1:00 PM	<i>Lunch Break</i>
1:00 – 1:30 PM	<b>Pandemic Preparedness</b> Dr. Tim Evans
1:30 – 1:40 PM	<b>10 min Q&amp;A session</b>
1:40 – 2:10 PM	<b>COVID self-testing – what is the evidence</b> Dr. Apoorva Anand
2:10 – 2:20 PM	<b>10 min Q&amp;A session</b>
2:20 – 2:50 PM	<b>Future of AI and Digital Health enabled point of care diagnostics</b> Prof Nitika Pant Pai
2:50 – 3:00 PM	<b>10 min Q&amp;A session</b>
3:00 – 4:00 PM	<b>Respiratory virus diagnostics – landscape, pipeline, and unmet needs</b> (TBD)
4:00 - 4:30 PM	<b>Closing remarks</b>