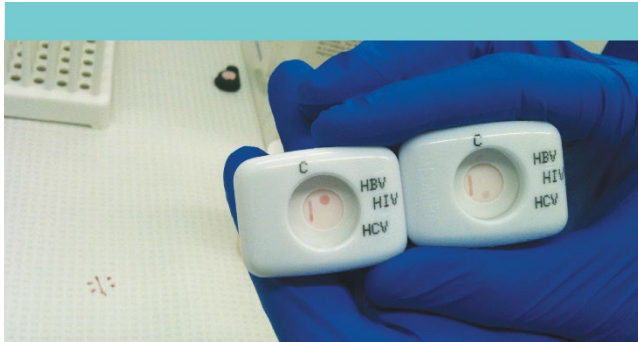




# McGill

## 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	<p><b>Welcome and overview of the course</b></p> <p>Nitika Pant Pai, Associate Professor at McGill University and Research Scientist at the Research Institute of the McGill University Health Centre (RI-MUHC)</p> <p>Cedric Yansouni, Associate Director, J.D. MacLean Centre for Tropical Diseases &amp; Associate Professor at McGill University</p>
9:45 – 10:45 AM	<p><b>Product development to commercialization - NIH funded PORTENT Collaboration</b></p> <p>David Erickson, SC Thomas Sze Director and Sibley College Professor in the Sibley School of Mechanical and Aerospace Engineering at Cornell University &amp; co-director of PORTENT</p> <p>Saurabh Mehta, Janet and Gordon Lankton Professor in the Division of Nutritional Sciences at Cornell University &amp; co-director of PORTENT</p> <p>Maria Rahmany, Director for Business Development and Portfolio Management and Associate Professor at Columbia University</p> <p>Nitika Pant Pai</p>
10:45 – 11:10 AM	<i>Coffee break</i>

11:10 – 11:50 AM	<p><b>The RADx experience in the USA</b> Wilbur Lam, Professor and Associate Dean of Innovation at Emory University School of Medicine and Chief Innovation Officer, Pediatric Technology Center Children’s Healthcare of Atlanta</p> <p><b>What RADx reveals about the diagnostics ecosystems in other countries</b> David Juncker, Professor and Department Chair of Biomedical Engineering, McGill University</p>
11:50 – 12:15 PM	<p><b>Panel Discussion: What lessons from successful initiatives can we apply globally to spur the diagnostics sector?</b> Morning speakers</p>
12:15 – 1:15 PM	<i>Lunch Break</i>
1:15 – 1:45 PM	<p><b>Keynote Talk: FDx Initiative: Future of Dx in Africa: CDC ASLM Global fund, PEPFAR, FIND</b> Trevor Peter, Senior Director, Medical Diagnostics, at Clinton Health Access Initiative (CHAI)</p>
1:45 – 2:00 PM	<b>10 min Q&amp;A session</b>
2:00 – 2:30 PM	<p><b>Digital Health Initiatives for FDx</b> Robia Islam, Senior Associate at Clinton Health Access Initiative (CHAI)</p>
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	<p><b>Infectious Disease In Vitro Diagnostics: Making the Move from Academia and Entrepreneurship to Product Development</b> Peter Dailey, Adjunct Professor and microbiologist at University of Berkeley and Senior Technical Officer for the Foundation for Innovative Diagnostics (FIND).</p>
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**

<b>Time</b>	<b>Program</b>
9:00 – 9:15 AM	<p><b>Welcome message</b> Cedric Yansouni and Nitika Pant Pai</p>
9:15 – 9:40 AM	<p><b>Current bacteriology/mycology diagnostic capacity in LRS</b> Cedric Yansouni, Associate Director, J.D. MacLean Centre for Tropical Diseases &amp; Associate Professor at McGill University</p>

9:40 – 10:05 AM	<b>What's new in automated systems to detect bloodstream infections?</b> Liselotte Hardy, Biomedical Scientist, Master, Ghent University
10:05– 10:30 AM	<b>Next-generation rapid antimicrobial susceptibility testing – landscape and pipeline</b> Grace Resznetnik, Medical Student at the University of Toronto and Keely Hammond, Resident Physician, Infectious Diseases and Medical Microbiology, McGill University
10:30 – 11:00 AM	<i>Coffee Break</i>
11:00 –11:30 AM	<b>Keynote Talk: AI in Diagnostics</b> Pierre Marcoux, President, Groupe Context
11:30 – 12:00 PM	<b>Panel discussion</b> (all speakers + others from PPP, funders, industry, Pascale Ondaio, Medical Laboratory Specialist, TAP, Technical Advice and Partnerships Department)
12:00 – 1:00 PM	<i>Lunch Break</i>
1:00 – 1:40 PM	<b>Keynote Talk: Supply chains for diagnostics</b> Prashant Yadav, Affiliate Professor of Technology and Operations Management at INSEAD
1:40 – 2:10 PM	<b>Can distributed manufacturing be applied to diagnostics?</b> Keith Pardee, Associate Professor, Drug Development & Disease Diagnostics, University of Toronto
2:10 – 2:40 PM	<b>Panel discussion on supply chain issues for LMIC</b> Prashant Yadav, Keith Pardee, David 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> Nitika Pant Pai & Cedric Yansouni
9:15 – 9:45 AM	<b>Opening talk: Community-led innovations in diagnostics</b> Joseph Tucker, Professor, Department of Clinical Research, Faculty of Infectious and Tropical Diseases, London School of Hygiene & Tropical Medicine
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> Suma Nair, Founding Dean, DYPU School of Public Health
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> Cedric Yansouni, Associate Director, J.D. MacLean Centre for Tropical Diseases & Associate Professor at McGill University
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>Keynote Talk: Pandemic Preparedness</b> Tim Evans, Director, School of Population and Global Health at McGill University, Associate Vice-President, Global Policy and Innovation, Executive Director, COVID-19 Immunity Task Force
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> Apoorva Anand, Public Health Researcher, The Hospital for Sick Children, Toronto, Ontario
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> Nitika Pant Pai, Associate Professor at McGill University and Research Scientist at the Research Institute of the McGill University Health Centre (RI-MUHC)
2:50 – 3:00 PM	<b>10 min Q&amp;A session</b>
3:00 - 4:30 PM	<b>Closing remarks and close evaluation</b>