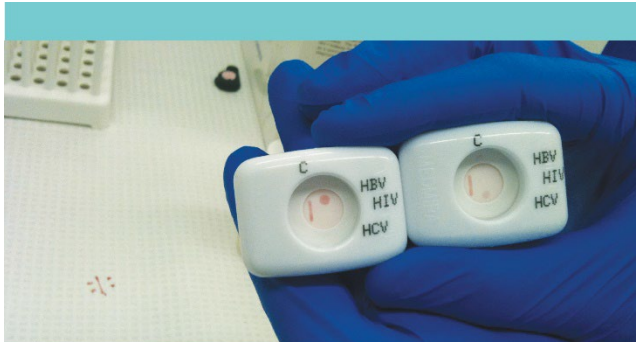




McGill

Summer Institutes in Global Health



Global Health Diagnostics

HYBRID | JUNE 3-5, 2024



Global Health Diagnostics

June 3-5, 2024

Agenda

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

June 3rd 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	Welcome and overview of the course <ul style="list-style-type: none"> <i>Nitika Pant Pai</i>, Associate Professor at McGill University and Research Scientist at the Research Institute of the McGill University Health Centre (RI-MUHC) <i>Cedric Yansouni</i>, Associate Director, J.D. MacLean Centre for Tropical Diseases & Associate Professor at McGill University
9:45 – 10:45 AM	Product development to commercialization - NIH funded PORTENT Collaboration <ul style="list-style-type: none"> <i>David Erickson</i>, SC Thomas Sze Director and Sibley College Professor in the Sibley School of Mechanical and Aerospace Engineering at Cornell University & co-director of PORTENT <i>Saurabh Mehta</i>, Janet and Gordon Lankton Professor in the Division of Nutritional Sciences at Cornell University & co-director of PORTENT <i>Maria Rahmany</i>, Director for Business Development and Portfolio Management and Associate Professor at Columbia University <i>Nitika Pant Pai</i>

10:45 – 11:10 AM	<i>Coffee break</i>
11:10 – 11:50 AM	<p>The RADx experience in the USA</p> <ul style="list-style-type: none"> • <i>Wilbur Lam</i>, Professor and Associate Dean of Innovation at Emory University School of Medicine and Chief Innovation Officer, Pediatric Technology Center Children’s Healthcare of Atlanta; Vice Provost for Entrepreneurship, Emory University <p>What RADx reveals about the diagnostics ecosystems in other countries</p> <ul style="list-style-type: none"> • <i>David Juncker</i>, Professor and Department Chair of Biomedical Engineering, McGill University
11:50 – 12:15 PM	<p>Panel Discussion: What lessons from successful initiatives can we apply globally to spur the diagnostics sector?</p> <ul style="list-style-type: none"> • Moderator: C Yansouni • D Erikson • S Mehta • M Rahmany • Nitika Pant Pai • W Lam • D Juncker
12:15 – 1:15 PM	<i>Lunch Break</i>
1:15 – 1:45 PM	<p>Keynote Talk: Fdx Initiative: Future of Dx in Africa: CDC ASLM Global fund, PEPFAR, FIND</p> <ul style="list-style-type: none"> • <i>Trevor Peter</i>, Senior Director, Medical Diagnostics, at Clinton Health Access Initiative (CHAI)
1:45 – 2:00 PM	10 min Q&A session - (Moderator: NP Pai)
2:00 – 2:30 PM	<p>Digital Health Initiatives for Fdx</p> <ul style="list-style-type: none"> • <i>Robia Islam</i>, Senior Associate at Clinton Health Access Initiative (CHAI)
2:30 – 2:40 PM	10 min Q&A session - (Moderator: NP Pai)
2:40 – 3:00 PM	<i>Coffee Break</i>
3:00 – 3:30 PM	<p>Infectious Disease In Vitro Diagnostics: Making the Move from Academia and Entrepreneurship to Product Development</p> <ul style="list-style-type: none"> • <i>Peter Dailey</i>, Adjunct Professor and microbiologist at University of Berkeley and Senior Technical Officer for the Foundation for Innovative Diagnostics (FIND).
3:30 – 4:00 PM	Discussion and concluding remarks

June 4th Day 2: AMR Diagnostics and Cross Cutting topics: Supply chain

Time	Program
9:00 – 9:15 AM	Opening remarks <i>Cedric Yansouni and Nitika Pant Pai</i>
9:15 – 9:40 AM	Current bacteriology/mycology diagnostic capacity in LRS <ul style="list-style-type: none"> • <i>Cedric Yansouni</i>, Associate Director, J.D. MacLean Centre for Tropical Diseases & Associate Professor at McGill University
9:40 – 10:05 AM	What's new in automated systems to detect bloodstream infections? <ul style="list-style-type: none"> • <i>Liselotte Hardy</i>, Unit of Tropical Bacteriology, Institute of Tropical Medicine, Antwerp
10:05– 10:30 AM	Next-generation rapid antimicrobial susceptibility testing – landscape and pipeline <ul style="list-style-type: none"> • <i>Grace Reszetsnik</i>, University of Toronto Medical School • <i>Keely Hammond</i>, Infectious Dis. & Med. Microbiology, McGill University
10:30 – 11:00 AM	<i>Coffee Break</i>
11:00 –11:30 AM	Keynote Talk: AI in Diagnostics <ul style="list-style-type: none"> • <i>Pierre Marcoux</i>, Laboratoire d'électronique et de technologie de l'information (LETI), CEA, Grenoble
11:30 – 12:00 PM	Panel discussion <ul style="list-style-type: none"> • Moderator: C Yansouni • L Hardy • G Reszetsnik • P Marcoux • Pascale Ondo – Laboratory Specialist, The Global Fund • Thibaut Babin – Postdoctoral researcher, Université de Montreal
12:00 – 1:00 PM	<i>Lunch Break</i>
1:00 – 1:40 PM	Keynote Talk: Supply chains for diagnostics <ul style="list-style-type: none"> • <i>Prashant Yadav</i>, Affiliate Professor of Technology and Operations Management at INSEAD
1:40 – 2:10 PM	Can distributed manufacturing be applied to diagnostics? <ul style="list-style-type: none"> • <i>Keith Pardee</i>, Associate Professor, Drug Development & Disease Diagnostics, University of Toronto

2:10 – 2:40 PM	Panel discussion on supply chain issues for LMIC <ul style="list-style-type: none"> • P Yadav • K Pardee • D Juncker • FIND
2:40 – 3:00 PM	<i>Coffee Break</i>
3:00 – 4:00 PM	Tech pitches
5:00 – 7:00 PM	Social event cocktail Thomson House (3650 rue McTavish) – 230 meters from course location <i>Join us for light refreshments and drinks!</i>

June 5th Day 3: Implementation science, Pandemic preparedness, Translational initiatives

Time	Program
9:00 – 9:15 AM	Opening remarks <i>Nitika Pant Pai and Cedric Yansouni</i>
9:15 – 9:45 AM	Opening talk: Community-led innovations in diagnostics <ul style="list-style-type: none"> • <i>Joseph Tucker</i>, Professor, Department of Clinical Research, Faculty of Infectious and Tropical Diseases, London School of Hygiene & Tropical Medicine
9:45 – 9:55 AM	10 min Q&A session
9:55– 10:20 AM	Molecular Screening Initiatives in India <ul style="list-style-type: none"> • <i>Suma Nair</i>, Founding Dean, DYPU School of Public Health
10:20 – 10:30 AM	10 min Q&A session
10:30 –11:00 AM	<i>Coffee Break</i>
11:00 – 11:30 AM	Stopping Syphilis Transmission in Arctic communities – from validation to implementation to impact <ul style="list-style-type: none"> • <i>Cedric Yansouni</i>, Associate Director, J.D. MacLean Centre for Tropical Diseases & Associate Professor at McGill University
11:30 – 12:00 PM	Panel discussion on implementation science and translational initiatives <ul style="list-style-type: none"> • Moderator: NP Pai • J Tucker • S Nair • C Yansouni • Saskia Decuypere, Lead - Innovation and Impact, Institute of Tropical Medicine, Antwerp

12:00 – 1:00 PM	<i>Lunch Break</i>
1:00 – 1:30 PM	Keynote Talk: Pandemic Preparedness <ul style="list-style-type: none"> • <i>Tim Evans</i>, 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	10 min Q&A session
1:40 – 2:10 PM	COVID self-testing – What is the Evidence? <ul style="list-style-type: none"> • <i>Apoorva Anand</i>, Public Health Researcher, The Hospital for Sick Children, Toronto, Ontario
2:10 – 2:20 PM	10 min Q&A session
2:20 – 2:50 PM	Future of AI and Digital Health enabled point of care diagnostics <ul style="list-style-type: none"> • <i>Nitika Pant Paj</i>, 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	10 min Q&A session
3:00 - 3:30 PM	Closing remarks and course evaluation