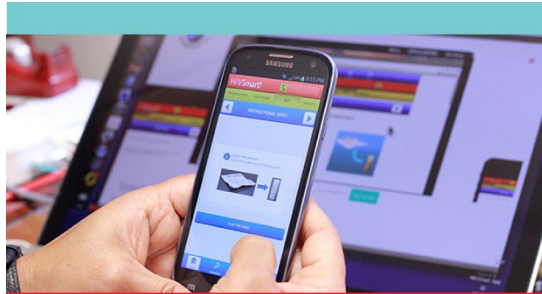




McGill

Summer Institutes in Global Health



Digital Health

HYBRID | MAY 29-31, 2024



Digital Health

May 29-31, 2024

Preliminary Agenda

Course Director: Dr. Nitika Pant Pai

May 29th Day 1: Digital health transformation

Time	Program
9:00 – 9:15 AM	Welcome and intro overview of the digital health course Nitika Pant Pai
9:15 – 9:45 AM	Opening talk – One Health Agenda, WHO Soumya Swaminathan, former Chief Scientific Officer of the World Health Organization, Geneva; Swaminathan Foundation
9:45 – 9:55 AM	10 min Q&A session
9:55 – 10:25 AM	Keynote talk: Urgent need for evidence-based data approaches in Digital Health and ML Zameer Brey, Gates Foundation AI and Digital Health Lead
10:25 – 10:35 AM	10 min Q&A session
10:35 – 11:05 AM	Digital health and AI initiatives in India: Insights from leading initiatives in India Anurag Agarwal, Dean Ashoka University
11:05 – 11:15 AM	10 min Q&A session
11:15 – 11:25 AM	<i>Coffee Break</i>
11:25 – 11:55 AM	Quebec’s Digital Health Transformation Gilbert Tordjman, COO MUHC RI
11:55 – 12:05 PM	10 min Q&A session

12:05 – 1:15 PM	<i>Lunch Break</i>
1:15 – 1:50 PM	Digital Initiatives to Improve Diagnosis Rigveda Kadam, Lead Digital Health FIND
1:50 – 2:00 PM	10 min Q&A session
2:00 – 2:35 PM	How can Digital twins support better patient care and digital health transformation? Amalia Issa, Professor and founding Director of the Personalized Precision Medicine & Targeted Therapeutics Center, McGill University
2:35 – 2:45 PM	10 min Q&A session
2:45 – 3:00 PM	Concluding remarks and tomorrow's program overview

May 30th Day 2: New technologies disrupting health: challenges, frameworks, approvals and big biases

Time	Program
9:00 – 9:10 AM	Welcome message Nitika Pant Pai
9:10 – 9:35 AM	Generative AI for health care: Successes & Challenges Samira Rahimi, Canada Research Chair (Tier 2) in Advanced Digital Primary Health Care and Assistant Professor at McGill University
9:35 – 9:40 AM	5 min Q&A session
9:40 – 10:05 AM	Internet of Medical Things Ervin Sejdic, Research Chair in Artificial Intelligence for Health Outcomes at Research & Innovation, North York General Hospital and Associate Professor at University of Toronto
10:05 – 10:10 AM	5 min Q&A session
10:10 – 10:35 AM	Wearables and their implementation: Challenges and Successes Abhinav Sharma, Cardiologist, Assistant Professor, and Clinician-Scientist in the Division of Cardiology at McGill University
10:35 – 10:40 AM	5 min Q&A session
10:40 – 10:50 AM	<i>Coffee Break</i>
10:50 – 11:15 AM	Smart Apps, Wearables & Platforms That Plug Service Delivery Gaps Nitika Pant Pai, Associate Professor at McGill University
11:15 – 11:20 AM	5 min Q&A session

11:20 - 11:40 AM	AI, XR, IoT, DT for Health Care Revolution 4.0 Alex G Lee, CEO and principal consultant at TechIPm and founder of the Enterprise/Industrial Metaverse Forum: Digital Twins + AI + Blockchain + IoT + XR Convergence
11:40 – 11:45 AM	5 min Q&A session
11:45 – 12:05 PM	Stimulation in Surgery: McGill Experience Jason M. Harley, Associate Professor in the Department of Surgery, McGill University, a Scientist at the Research Institute of the McGill University Health Centre (MUHC-RI)
12:05 – 12:10 PM	5 min Q&A session
12:10 – 1:00 PM	<i>Lunch Break</i>
1:00 – 1:40 PM	Panel Discussion on Integration of Technologies in Healthcare Systems Ervin Sejdic, Abhinav Sharma, Jason M. Harley, Alex G Lee Moderated by Nitika Pant Pai
1:40 – 2:30 PM	Keynote: Big Data, Big Bias Leo Celi, clinical research director and principal research scientist at MIT, Associate Professor at Harvard University and Editor in Chief of PLOS Digital Health
2:30 - 2:40 PM	10 min Q&A session
2:40 - 3:20 PM	Panel Discussion on Equity, Diversity and Inclusion in AI Samira Rahimi, Leo Celi, Ervin Sejdic, and Nitika Pant Pai
3:20 – 3:30 PM	Concluding remarks and tomorrow’s program overview

May 31st Day 3 Start-ups that are changing the future of health care delivery and social impact

Time	Program
9:00 – 9:15 AM	Welcome message Nitika Pant Pai
9:15 – 9:45 AM	Digital training programs for front line health care workers Raghu Dharmaraju, President of ARTPARK AI and Robotics Technology Park
9:45 – 9:55 AM	10 min Q&A session

9:55 – 10:20 AM	JACARANDA Health Sathy Rajasekharan, Founder of Jacaranda Health and McGill University Alumni
10:20 – 10:30 AM	10 min Q&A session
10:30 – 10:40 AM	<i>Coffee Break</i>
10:40 – 11:00 AM	HealthyDads Deborah Da Costa, Associate Professor at McGill University, Founder of HealthyDads
11:00 – 11:10 AM	10 min Q&A session
11:10 – 11:30 PM	PhysioBiometrics Inc Nancy Mayo, Professor at McGill University, Founder and President of PhysioBiometrics Inc
11:30 – 11:40 PM	10 min Q&A session
11:40 – 12:00 PM	Panel discussion for start-up entrepreneurs in digital health: Transformation challenges are so yesterday Sathy Rajasekharan, Deborah Da Costa, and Nancy Mayo
12:00 – 1:00 PM	<i>Lunch Break</i>
1:00 – 1:30 PM	Innovations in Maternal and Child Health and Social Impact Narayan Sundarajan, Chief Technology Officer, Grameen-Intel Social Business, Intel Corporation, and Bill & Melinda Gates Foundation
1:30 – 1:40 PM	10 min Q&A session
1:40 – 2:10 PM	FACETS new collection on Digital health and ML Hilary Belleville, Samira Rahimi, Ervin Sejdic and Nitika Pant Pai
2:10 – 2:50 PM	Working chat rooms: discuss topics - 3 groups: 1. CHAT GPT & newer technologies 2. Integration of digital health 3. ML in health care systems
2:50 – 3:00 PM	Concluding remarks and course evaluations