



JUNE 10-21, 2019 • MONTREAL, CANADA



# 5<sup>TH</sup> MCGILL SUMMER INSTITUTE IN **INFECTIOUS DISEASES AND GLOBAL HEALTH**



**McGill**

McGill Summer Institute in  
Infectious Diseases and  
Global Health

## 2019 COURSE SCHEDULE

**Exact course start times may be subject to change.**

**Final agendas will be emailed to participants a few weeks before the course begins.**

### WEEK 1: JUNE 10-14

**TB RESEARCH METHODS** • Monday-Friday, 9am-5pm

**HUMANITARIAN ACTION IN THE 21<sup>ST</sup> CENTURY: CHALLENGES AND DILEMMAS** • Monday-Wednesday, 9am-5pm

**GLOBAL HEALTH DIAGNOSTICS** • Monday-Wednesday, 9am-5pm

**ANTIMICROBIAL RESISTANCE (AMR)** • Wednesday-Friday, 9am-5pm

Note: Global Health Diagnostics and Antimicrobial Resistance will be taught together on Wednesday, June 12th

### WEEK 2: JUNE 17-21

**ADVANCED TB DIAGNOSTICS** • Monday-Tuesday, 9am-5pm / Wednesday, 9am-12:30pm

**CLINICAL TB** • Monday-Tuesday, 9am-5pm / Wednesday, 9am-12:30pm

**SHORT COURSE ON QUALITATIVE METHODS IN GLOBAL INFECTIOUS DISEASES RESEARCH** • Wednesday, 1pm-5pm / Thursday-Friday, 9am-5pm

**QUALITY OF TB CARE** • Wednesday, 1pm-5pm / Thursday-Friday, 9am-5pm

# JUNE 2019

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10	11	12	13	14
TB RESEARCH METHODS				
HUMANITARIAN ACTION IN THE 21 <sup>ST</sup> CENTURY				
GLOBAL HEALTH DIAGNOSTICS		ANTIMICROBIAL RESISTANCE (AMR)		
17	18	(AM) 19 (PM)	20	21
ADVANCED TB DIAGNOSTICS				
CLINICAL TB				
			QUALITATIVE METHODS IN GLOBAL INFECTIOUS DISEASES RESEARCH	
			QUALITY OF TB CARE	

**ABOUT THE INSTITUTE DIRECTOR**



**Madhukar Pai, MD, PhD, FCAHS**

Dr. Pai is a Canada Research Chair in Translational Epidemiology & Global Health in the Department of Epidemiology, Biostatistics and Occupational Health at McGill University, the Director of McGill University's Global Health Programs and the Director of the McGill International TB Centre. He is a member of the Royal Society of Canada and a Fellow of the Canadian Academy of Health Sciences. His research program is focused on using translational epidemiology and implementation science to enhance tuberculosis care and control, so that products, knowledge and policies can translate into saved lives. He has coordinated multiple courses and workshops on epidemiology, modeling, systematic reviews and meta-analysis around the world, including week-long courses on advanced tuberculosis diagnostics research in Montreal for the past eight years.

**2019 COURSE DIRECTORS**



**Amrita Daftary, PhD, MPH**

Assistant Professor, Department of Epidemiology, Biostatistics & Occupational Health, McGill University; Associate Director, McGill International TB Centre



**Nora Engel, PhD**

Assistant Professor, Global Health Department of Health, Ethics and Society / CAPHRI Faculty of Health, Medicine and Life Sciences Maastricht University



**James Johnston, MD, FRCPC, MPH**

Clinical Associate Professor, Division of Respiratory Medicine, University of British Columbia; TB Services, BC Centre for Disease Control



**Faiz Ahmad Khan, MD, FRCPC, MPH**

Assistant Professor, Division of Respiratory Medicine; Medical Director, Montreal Chest Institute TB Clinic, McGill University Health Centre; Associate Director, McGill International TB Centre



**Rachel Kiddell-Monroe, LL.M**

Professor of Practice, Institute for the Study of International Development, McGill University; International Board Director, Médecins Sans Frontières and General Director, See Change Initiative



**Dick Menzies, MD, Msc**

Director, Respiratory Epidemiology and Clinical Research Unit, McGill University Health Centre; Director, WHO Collaborating Centre for Tuberculosis Research



**Nitika Pant Pai, MD, MPH, PhD**

Associate Professor, Division of Clinical Epidemiology & Infectious Diseases, McGill University; Center for Outcomes Research and Evaluation, MUHC Research Institute



**Makeda Semret, MD, MSc, FRCPC**

Lead, Antimicrobial Stewardship Program, McGill University Health Centre; Director, Training Program in Infectious Diseases and Medical Microbiology, McGill University



**Zelalem Temesgen, MD**

Director, Mayo Clinic Center for Tuberculosis



**Erika Vlieghe, MD**

Head of the Department of General Internal Medicine, Infectious Diseases and Tropical Medicine, University Hospital Antwerp; Professor of Infectious Diseases, University of Antwerp



**Cédric Yansouni, MD, FRCPC, DTM&H**

Assistant Professor, Division of Infectious Diseases, Department of Medical Microbiology, McGill University; Associate Director, J.D. MacLean Centre for Tropical Diseases

**2019 COURSES** To Register: <http://mcgill-idgh.ca/>



**McGill**

**McGill Summer Institute in Infectious Diseases and Global Health**



JUNE 10-14, 2019

## TB RESEARCH METHODS

“This summer course is a great gateway to connect with the current leaders who are fighting TB and inspire young scientists like me to become future leaders who will eliminate TB.”

– TB RESEARCH METHODS PARTICIPANT

An intensive course on methods of operational research, molecular epidemiology, randomized controlled trials, systematic reviews and meta-analyses, qualitative / community based research, decision analyses and modeling. Format will include lectures, debates, panel discussions and small group work.

## COURSE DIRECTOR

**Dick Menzies**, MD, MSc

Director, Respiratory Epidemiology and Clinical Research Unit, McGill University Health Centre; Director, WHO Collaborating Centre for Tuberculosis Research

## COURSE FACULTY

**Gonzalo Alvarez**, MD, MPH – University of Ottawa

**Marcel Behr**, MD, MSc – McGill University

**Andrea Benedetti**, PhD – McGill University

**Bill Burman**, MD – Denver Public Health

**Jonathon Campbell**, PhD – McGill University

**Amrita Daftary**, PhD, MPH – McGill University

**Maziar Divangahi**, PhD – McGill University

**Greg Fox**, MD, PhD – University of Sydney

**Anthony Harries**, MD – The Union, Paris

**James Johnston**, MD, MPH – University of British Columbia

**Faiz Ahmad Khan**, MD, MPH – McGill University

**Richard Long**, MD, FRCPC, FCCP – University of Alberta, TB Program Evaluation & Research Unit

**Dick Menzies**, MD, MSc – McGill University

**Olivia Oxlade**, PhD – McGill University

**Kevin Schwartzman**, MD, MPH – McGill University

**Alice Zwerling**, PhD, MSc, BSc – University of Ottawa

*Faculty are still being confirmed and there may be changes to the above list*

## CONTENT

This course will introduce broad tuberculosis research topics – research as part of the World Health Organization’s new Global Plan to End TB, priorities in drug resistant and HIV-related tuberculosis, as well barriers and progress in indigenous TB in Canada. Every morning session will focus on a different methodology – operational

research, molecular epidemiology, systematic reviews, randomized trials and economic analysis. In the afternoons, there will be two “late-breakers”, short presentations of exciting new findings from course faculty, followed by basics in biostatistical methods, then small group sessions to work in operational research, molecular epidemiology, systematic reviews, qualitative / community based research, randomized trials or cost-effectiveness analysis.

The output from each group will be presented to the entire group on the final afternoon.

## TARGET AUDIENCE

- Trainees starting their TB research careers
- MSc, MPH and PhD students working on TB research projects
- Postdoctoral fellows, clinical fellows and residents working on TB projects
- Junior faculty with a strong interest in TB research
- Research staff, nurses and coordinators managing TB research projects
- Persons involved in TB control programmes with interest in research and evaluation methods

## ENROLMENT

Maximum of 50 participants.

**2019 COURSES** To Register: <http://mcgill-idgh.ca/>



**McGill**

**McGill Summer Institute in  
Infectious Diseases and  
Global Health**





JUNE 10-12, 2019

# HUMANITARIAN ACTION IN THE 21<sup>ST</sup> CENTURY: CHALLENGES AND DILEMMAS

New course for 2019!  
Join amazing faculty leading this course  
on humanitarian challenges.

This unique three-day course will explore four key challenges confronting humanitarian action today: forced migration, climate change, access to medicines and attacks on humanitarian aid. Through a combination of inspiring lectures and interactive case studies, the course will explore emerging ethical dilemmas and current controversies around these issues. Building a bridge between theory and practice, this course will enable participants to tackle the challenges within their own spheres of influence.

## COURSE DIRECTOR

**Rachel Kiddell-Monroe, LL.M**

Professor of Practice, Institute for the Study of International Development, McGill University; International Board Director, Médecins Sans Frontières and General Director, See Change Initiative

## COURSE FACULTY

*Course Faculty*

**Megan Bradley, PhD** – Political Science and International Development Studies, McGill University

**Diana Keown, PhD** – Anthropology, McGill University

**Matthew Hunt, PhD** – School of Physical and Occupational Therapy, McGill University

**John Pringle, PhD** – Ingram School of Nursing, McGill University

**Carol Devine, MSc** – Médecins Sans Frontières

*Other international and national NGO and civil society representatives and guests to be confirmed.*

*Guest Speakers*

**James Orbinski, MD** – Dahdaleh Institute for Global Health Research, York University

**François Crépeau, O.C., F.R.S.C., Ad.E.** – Hans & Tamar Oppenheimer Professor in Public International Law, McGill University; Director, McGill Centre for Human Rights and Legal Pluralism

**Payam Akhavan, LL.M SJD** – Faculty of Law, McGill University and Member of the Permanent Court of Arbitration at The Hague

## CONTENT

People around the world are facing profound challenges and are living in increasingly fragile contexts. These changing dynamics are forcing us to reflect on how humanitarian assistance is conceptualized and delivered to benefit vulnerable and marginalized populations.

Today, over 65 million people have been forced to leave their homes because of conflict, violence, climate change or extreme poverty. They are increasingly demonized by society. At the same time, inequitable access to affordable medicines and diagnostics, significant health impacts of accelerating climate change, and open attacks on the medical humanitarian mission continue to challenge our ability to deliver meaningful humanitarian assistance.

This course aims to provoke reflection and debate of these four trends. Participants will delve into the ethical dilemmas these trends present for humanitarian action. With input from thought-leaders and community advocates from the humanitarian, environmental and human rights fields, participants will use practical examples and case studies to explore the political, human and ethical dimensions of these four global realities.

## OBJECTIVES

The course will allow participants to develop skills in:

- Reflecting critically on contemporary humanitarian action
- Identifying key ethical dilemmas facing humanitarian practitioners and policy makers
- Debating humanitarian issues
- Advocating for meaningful change at grassroots and policy levels

*The course will offer the opportunity to network with thought leaders and other participants.*

## TARGET AUDIENCE

This course will appeal to a wide range of participants from different countries including:

- Policy makers and ministry officials
- Researchers, academics and students from all disciplines who are interested in humanitarian issues (law, medicine, ethics, global health, political science, international development and more).
- Mid-career humanitarian workers, civil society and advocacy groups.

*Participants from LMICs and indigenous communities are encouraged to apply.*

## ENROLMENT

Maximum of 60 participants.

**2019 COURSES** To Register: <http://mcgill-idgh.ca/>



**McGill**

**McGill Summer Institute in  
Infectious Diseases and  
Global Health**



JUNE 10-12, 2019

# GLOBAL HEALTH DIAGNOSTICS

“Absolutely amazing week, by far the most productive, engaging, and thought provoking event I’ve been to. Very well organized and managed throughout, with an excellent range of topics... Many thanks for a thoroughly rewarding course.”

– GLOBAL HEALTH DIAGNOSTICS PARTICIPANT



This workshop focuses on cross-cutting issues affecting diagnostics for TB, HIV, sexually transmitted and blood borne infections (STBBIs), acute febrile illnesses, and selected neglected tropical diseases (NTDs). The format is a mix of plenary talks interspersed with 1) rich, engaging panel discussions, 2) tech pitches from industry leaders, and 3) opportunities to interact with participants and faculty who work across the spectrum of global health diagnostics. Participants will learn from a wide array of key stakeholders including product manufacturers, donors, product development partnerships, policy makers, academics, clinicians, researchers, community advocates, program managers, public health implementers and leaders from ministries of health in priority countries.

## COURSE DIRECTORS

**Cédric Yansouni**, MD, FRCPC, DTM&H  
Assistant Professor, Division of Infectious Diseases,  
Department of Medical Microbiology, McGill University  
Associate Director, J.D. MacLean Centre for Tropical Diseases

**Nitika Pant Pai**, MD, MPH, PhD  
Associate Professor, Division of Clinical Epidemiology &  
Infectious Diseases, McGill University  
Center for Outcomes Research and Evaluation,  
MUHC Research Institute

## PAST COURSE FACULTY INCLUDE

**Tanya Applegate**, PhD – Kirby Institute, Australia  
**Steve Badman**, MD – Kirby Institute, Australia  
**Jeff Baker** – JESA Consulting  
**Duncan Blair**, PhD – Abbott  
**Valérie D’Acromont**, MD, PhD, DTM&H – Swiss TPH  
**Peter Dailey**, PhD, MPH – UC Berkeley  
**Sabine Dittrich**, PhD – FIND  
**Paul Drain**, MD – University of Washington  
**David Goldfarb**, MD – University of British Columbia  
**John Kim**, PhD – National Microbiology Laboratory, PHAC, Canada  
**Vish Kulkarni** – Cepheid Inc.  
**Michael Greenberg**, MD – Fio Corporation  
**Ilesh Jani**, MD, PhD – Instituto Nacional de Saude, Mozambique  
**Vivian Jonas**, MS – Erba Molecular  
**Cassandra Kelly-Cirino**, PhD – FIND  
**Troy Leader**, PhD – PATH  
**Madhukar Pai**, MD, PhD – McGill University  
**Rosanna Peeling**, PhD – London School of Hygiene &  
Tropical Medicine  
**Trevor Peter**, PhD – Clinton Health Access Initiative  
**Lee Schroeder**, MD PhD – University of Michigan  
**Thomas Nutman**, MD – National Institutes of Health  
**David Persing**, MD, PhD – Cepheid  
**Nira Pollock**, MD, PhD – Harvard Medical School  
**Marc Steben**, MD – Institut national de santé publique du Québec  
**Andy Stewart** – DNA Genotek, Canada  
**Kamini Walia**, PhD, MPH – Indian Council of Medical Research  
**Prashant Yadav**, PhD, MBA – Bill & Melinda Gates Foundation

*Faculty are still being confirmed for this year.*

## CONTENT

Infectious diseases continue to pose a major threat to the health of most developing nations. The emergence and spread of infections like XDR-TB, Ebola, dengue, chikungunya, and avian influenza have highlighted the importance of effective global response to epidemic threats. Diagnosis is a critical step in effective disease care and control, but many people in developing countries do not have access to high quality diagnostic tests.

In this popular course, professionals share experiences, successes, failures and lessons learned and ask important questions to help advance the field of global health diagnostics.

*NOTE: Global Health Diagnostics and the Antimicrobial Resistance course will be taught together on Wednesday, June 12th.*

## OBJECTIVES

- Inform, educate, engage and convene discussions on pertinent issues in diagnostics so as to inform the direction of future practice, policy and funding initiatives for diagnostics.
- Dissect the value chain for global health diagnostics development, current pipeline of diagnostics, market size and dynamics, policies on diagnostics, and barriers for scale-up for selected infectious diseases of global health importance across all infections.
- Debate and propose solutions for accelerating market entry for innovative diagnostics, to sustain and support manufacturers' engagement in development of new diagnostics.
- Debate and identify novel approaches to scale-up, including innovative business models that leverage market-based incentives.

## TARGET AUDIENCE

This course appeals to a wide range of participants including:

- Policy makers and ministry officials
- Researchers, academics, and students studying global health or infectious disease
- Product developers, funders and public health agency officials
- Community advocacy groups working in diagnostics and global health

## ENROLMENT

Maximum of 100 participants.

**2019 COURSES** To Register: <http://mcgill-idgh.ca/>



**McGill**

McGill Summer Institute in  
Infectious Diseases and  
Global Health



JUNE 12-14, 2019

# ANTIMICROBIAL RESISTANCE

Expanding from a one-day special session  
to a full course for 2019!

The focus of this 3-day workshop is on understanding the complex causes underlying the emergence and spread of AMR, and on practical approaches to tackle antibiotic misuse in different settings.

## COURSE DIRECTORS

**Makeda Semret**, MSc, MD, FRCPC

Lead, Antimicrobial Stewardship Program, McGill University Health Centre; Director, Training Program in Infectious Diseases and Microbiology, McGill University

**Erika Vlieghe**, MD

Head of the Department of General Internal Medicine, Infectious Diseases and Tropical Medicine, University Hospital Antwerp; Professor of Infectious Diseases, University of Antwerp

## COURSE FACULTY

**Peter J. Dailey**, PhD, MPH – University of California, Berkeley

**Haileyesus Getahun Gebre**, MD PhD MPH – AMR secretariat, WHO, Geneva

**Jorg Janne Vehreschild**, MD – University of Cologne

**Christian Lavallée**, MD – Université de Montréal

**Yoshiko Nakamachi**, RN, BScN, BA, PMP – University Health Network, Toronto

**Cédric Yansouni**, MD, FRCPC, DTM&H – McGill University

**Louis-Patrick Haraoui**, MD MSc – Université de Sherbrooke

**Michael Libman**, MD FRCP – McGill University

*Faculty are still being confirmed and there may be changes to the above list.*

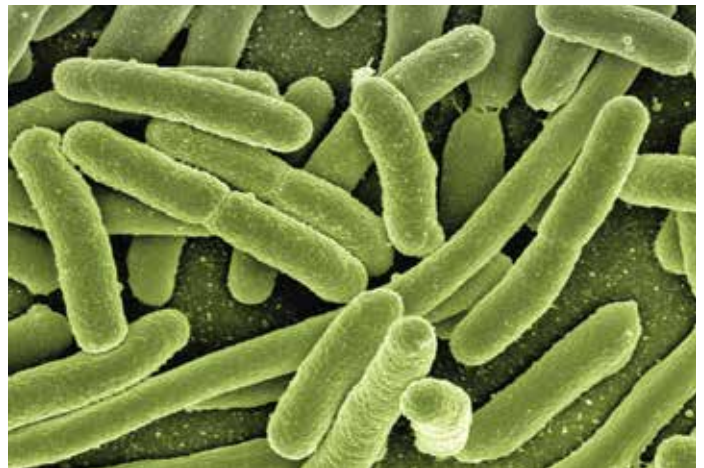
## CONTENT

Antimicrobial resistance (AMR) is now one of the biggest threats facing modern medicine. Initially described mostly in association with hospital-associated infections in high-income countries, the highest rates of AMR are now reported from low and middle-income countries (LMIC) around the world. The causes underlying the global rise in AMR are complex, but central to this crisis is overconsumption of antibiotics.

This 3-day workshop will focus on understanding the complex causes underlying the emergence and spread of AMR, and on approaches to tackle antibiotic misuse in different settings. The workshop format is a mix of plenary talks and panel discussions, with opportunities to interact with participants who work across the spectrum of the antimicrobial resistance space in different countries.

Clinicians, researchers, implementers, and health educators from both high-income and low and middle-income countries will share questions, successes, and lessons learned to advance the field of AMR.

*NOTE: Global Health Diagnostics and the Antimicrobial Resistance course will be taught together on Wednesday, June 12th.*



## TARGET AUDIENCE

This course appeals to a wide range of participants including:

- Clinicians, pharmacists, technologists, researchers and students studying infectious diseases, tropical medicine, or global health
- Policy makers and public health agency officials
- Product developers and funders
- Community advocacy groups working in global health

## ENROLMENT

Maximum of 100 participants.

**2019 COURSES** To Register: <http://mcgill-idgh.ca/>



**McGill**

**McGill Summer Institute in  
Infectious Diseases and  
Global Health**



JUNE 17-19, 2019

# ADVANCED TB DIAGNOSTICS

“Congratulations. Admired the young, active and motivated... persons that shared their experiences. I appreciated the method of teaching...panel discussions that made the activity interactive. Moderators steered the discussions well.”

– ADVANCED TB DIAGNOSTICS PARTICIPANT

This advanced course will cover advanced topics in TB diagnostics research and implementation, including critical pathway for new TB tests, impact of new tests on clinical decision-making and therapeutic choices, cost-effectiveness in routine programmatic settings, and impact on patient-important outcomes. The course will also cover meta-analysis, mathematical modeling, and cost-effectiveness studies. Panel discussions will cover topics such as value chain for TB diagnostics development, market analyses, market dynamics, target product profiles, and barriers to scale-up of new diagnostics. Participants will include TB survivors, product manufacturers, donors, product development partnerships, policy makers, academics, clinicians, community advocates, public health implementers and National TB Program managers.

### COURSE DIRECTOR

**Madhukar Pai**, MD, PhD  
Professor of Epidemiology, McGill University  
Director, McGill Global Health Programs  
Director, McGill International TB Centre

### COURSE FACULTY

**Niaz Banaei**, MD – Stanford University  
**Claudia Denkinger**, MD, PhD – FIND  
**Adithya Cattamanchi**, MD – UCSF  
**David Dowdy**, MD, PhD – Johns Hopkins University  
**Paul K. Drain**, MD, MPH, FACP – University of Washington  
**Nora Engel**, PhD – Maastricht University  
**Kathleen England**, PhD – Medecins Sans Frontieres  
**Jennifer Furin**, MD, PhD – Harvard Medical School  
**Robyn Lee**, PhD – Harvard University  
**Ruvandhi Nathavitharana**, MBBS – BIMDC Harvard Medical School  
**Marco Schito**, PhD – The Critical Path Institute  
**Samuel Schumacher**, MSc, PhD – FIND  
**Karen Steingart**, MD, MPH – Cochrane ID Group  
**Anita Suresh**, MBA, MS – FIND  
**Cesar Ugarte-Gil**, MD, PHD – Universidad Peruana Cayetano Heredia  
**Kamini Walia**, PhD, MPH – Indian Council of Medical Research

*Faculty are still being confirmed and there may be changes to the above list.*

### CONTENT

Diagnosis is one of the biggest gaps in the TB cascade of care. We need better tools for TB diagnosis than what we have today and we need high quality diagnostic studies to evaluate new tools, and to develop evidence-based policies on TB diagnostics. We need data on outcomes such as accuracy of diagnostic algorithms (rather than single tests) and their relative contributions to the healthcare system, incremental value of new tests, impact of new tests on clinical decision-making and therapeutic choices, cost-effectiveness in routine programmatic settings, and impact on patient-important outcomes. Translation of policy into impact requires collecting evidence for scale-up, country-level data on cost-effectiveness and feasibility, implementation research, and local decisions on scale-up, delivery and impact assessment. All of these issues will be covered in this advanced course.

### OBJECTIVES

By the end of the course, participants will understand:

- Value chain for TB diagnostics development, current pipeline of diagnostics, market dynamics, WHO policies on new diagnostics, and challenges for scale-up
- Designs to evaluate impact of new tests on clinical decision-making, therapeutic choices, and patient-important outcomes
- Meta-analyses of diagnostic accuracy studies and GRADE approach to diagnostic policies
- Principles of implementation research, collecting evidence for scale-up, cost-effectiveness analyses and modeling studies in TB diagnostics

### TARGET AUDIENCE

- National TB Program managers and National Reference Lab managers
- Clinicians and nurses
- Researchers, students, trainees, fellows and academics involved in TB diagnostics research
- Product manufacturers
- Funding agencies
- Product development partnerships
- Policy makers and public health implementers
- Community advocates and civil society

### ENROLMENT

Maximum of 100 participants.

**2019 COURSES** To Register: <http://mcgill-idgh.ca/>



**McGill**

**McGill Summer Institute in  
Infectious Diseases and  
Global Health**



JUNE 17-19, 2019

## **CLINICAL TB: A FOCUSED CLINICAL & PUBLIC HEALTH REVIEW FOR HEALTHCARE WORKERS**

“Thank you...As a public health nurse and researcher I am enlightened and energized to continue to advance future work in the field of TB research and programming.”

– CLINICAL TB COURSE PARTICIPANT

This 3 day course provides a concise review of the clinical and public health aspects of managing TB. It will be of particular interest to healthcare workers and trainees in Canada, or other low TB incidence countries, who are seeking to develop or strengthen their TB management skills. Topics will include TB epidemiology in Canada, latent TB infection (LTBI), the medical evaluation of potentially active TB, diagnosis and management of active TB, TB in children, contact tracing, and outbreak management. Emerging topics and controversies in TB diagnosis and treatment will also be discussed. The course format will be a combination of lectures and interactive case presentations. The course faculty are nurses, public health professionals, and clinicians with expertise in TB management within the Canadian context.

## COURSE DIRECTORS

**Faiz Ahmad Khan, MD, FRCPC, MPH**

Assistant Professor, Division of Respiratory Medicine;  
Medical Director, Montreal Chest Institute TB Clinic, McGill University  
Health Centre; Associate Director, McGill International TB Centre

**James Johnston, MD, FRCPC, MPH**

Clinical Associate Professor, Division of Respiratory Medicine,  
University of British Columbia;  
TB Services, BC Centre for Disease Control

## COURSE FACULTY

**Gonzalo Alvarez, MD, MPH** – University of Ottawa

**Marcel Behr, MD, MSc** – McGill University

**Sarah Brode, MD, FRCPC, MPH** – University of Toronto &  
TB Program, West Park Healthcare Centre

**Latoya Campbell, MDCM** – Ungava Tulattavik Health Center,  
Kuujuuaq & Kangiqsuluajuaq

**Ryan Cooper, MD, FRCPC, MPH** – University of Alberta &  
Provincial TB Program, Alberta Health Services

**Claire Crépeau, Inf. BScN** – Nunavik Regional Board of Health and  
Social Services

**Amrita Daftary, PhD, MPH** – McGill University

**Sandy Finn, RN, BN, MA** – Department of Health,  
Government of Nunavut

**Denis Francis, B.Sc. Inf.** – Montreal Chest Institute

**Richard Long, MD, FRCPC, FCCP** – University of Alberta,  
TB Program Evaluation & Research Unit

**Linette McElroy, RN** – TB educator and resource  
development consultant

**Dick Menzies, MD, MSc** – McGill University

**Lavanya Narasiah, MD, MSc, CCFP** – Clinique des Réfugiés,  
Clinique Tuberculose Latente, CISSS Montérégie Centre;  
McGill University; Sherbrooke University

**Elizabeth Rea, MD, MSc, FRCPC** – Toronto Public Health &  
University of Toronto

**Marie Rochette, M.Sc., FRCPC** – Director of Public Health,  
Nunavik Regional Board of Health and Social Services

**Amélie Tchabo Fosso, B.Sc. Inf.** – Montreal Chest Institute

**David Zielinski, MD, FRCPC, FCCP** – McGill University

*Faculty are still being confirmed and there may be  
changes to the above list.*

## CONTENT

In Canada and other low tuberculosis (TB) incidence countries, many healthcare professionals complete their training with limited experience in the management of TB infection, disease, and outbreaks. However, certain populations in these countries have an elevated risk of TB, including some Indigenous communities, migrants, and marginalized groups. It is key for clinicians and public health professionals that work with these populations to have strong TB management skills. This course will provide an intensive review of the clinical and public health aspects of managing TB, with a focus on Canada and other low-incidence countries. Emerging topics and controversies in TB and LTBI management will be discussed, such as use of PCR-based diagnostics, whole genome sequencing, interferon gamma release assays, and new drug regimens for TB prevention and treatment. The course format will be a combination of lectures and interactive case presentations.

## OBJECTIVES

Course participants will:

- Learn to manage LTBI in adults and children, including indications for testing, diagnosis, treatment, and monitoring.
- Learn the approach to evaluation of people with possible active TB.
- Learn how to manage active TB in adults and children, including diagnosis, treatment, and monitoring.
- Learn about emerging technologies in diagnosis, treatment and prevention of TB.
- Understand the basics of diagnosis and treatment of drug-resistant TB infection and disease.
- Develop an approach to contact tracing and management.
- Understand issues specific to clinical and public health aspects in special populations.
- Review legal aspects of TB control.
- Understand infection control principles in healthcare settings.

## TARGET AUDIENCE

- Healthcare professionals or trainees (nurses, physicians, public health professionals) involved in screening, diagnosis, or treatment.

## ENROLMENT

Maximum of 40 participants.

**2019 COURSES** To Register: <http://mcgill-idgh.ca/>



**McGill**

McGill Summer Institute in  
Infectious Diseases and  
Global Health



JUNE 19-21, 2019

## SHORT COURSE ON QUALITATIVE METHODS IN GLOBAL INFECTIOUS DISEASES RESEARCH

“The faculty was amazing, inside and outside of the classroom...  
The networking between those in this class was incredible...  
I am just starting my career, and it has changed my plan concerning  
my education for the upcoming years due to these conversations.”

– QUALITATIVE METHODS PARTICIPANT



A short-course focused on the principles and rigorous application of qualitative methods in formative, operational, evaluation and policy research in infectious disease.

## COURSE DIRECTORS

**Amrita Daftary**, PhD, MPH

Assistant Professor of Research, Department of Epidemiology, Biostatistics & Occupational Health, McGill University, Canada

**Nora Engel**, PhD

Assistant Professor Global Health, Department of Health, Ethics and Society/ CAPHRI, Faculty of Health, Medicine and Life Sciences Maastricht University, Netherlands

## COURSE COORDINATOR

**Mike Callaghan**, PhD

Medical Anthropologist, Switzerland

## COURSE FACULTY

*Course Faculty*

**Mike Callaghan**, PhD – Medical Anthropologist, Switzerland

**Amrita Daftary**, PhD, MPH – McGill University

**Nora Engel**, PhD – Maastricht University

**Jennifer Furin**, MD, PhD – Harvard University

**Joanne Mantell**, PhD – Columbia University

**Andy McDowell**, PhD – School for Advanced Studies in the Social Sciences

*Guest Speakers*

**Matthew Hunt**, PhD, PT – McGill University

**Madhukar Pai**, MD, PhD – McGill University

*Faculty are still being confirmed and there may be changes to the above list.*

## CONTENT

Qualitative methods can assess the social and behavioural contexts, and the complex determinants, impacts and outcomes of illness, healthcare seeking and disease control efforts, including public health programs, policies, and technologies. There is growing interest to integrate qualitative methods into traditional operational and biomedical research to improve our understanding of healthcare seeking behaviour, challenges to health service delivery, and to better understand how and why some interventions and technologies are successfully (or less successfully) implemented. This short, introductory course will build participants' capacity and research literacy to use qualitative methods to inform, innovate, contextualize, evaluate, and strengthen the delivery and utilization of healthcare services and technologies for infectious diseases (e.g., tuberculosis, HIV, malaria, Ebola) in lower- and middle-income settings. The course will be interactive, and utilize case studies and practical exercises to cover the following topics in qualitative research:

1. Study designs and methodologies
2. Theoretical frameworks
3. Focus groups, observation and interviews: designs, skills and implementation
4. Approaches and methods for analysis
5. Multiple methods: integrating and sequencing qualitative and quantitative methods
6. Sampling and participant recruitment
7. Data management and storage
8. Ethics and evaluation criteria
9. Dissemination

The course will consist of expert lectures on qualitative study design, data collection, analysis, and dissemination; followed by group exercises to apply and practice the lessons learned.

*Note: the 2019 course is an abbreviated version of the previous two qualitative method courses which were week-long.*

## OBJECTIVES

To be introduced to the principles and methods of qualitative research.

## TARGET AUDIENCE

- Persons with a strong interest in qualitative and mixed methods, and little/no prior experience
- Persons involved in infectious disease programs, including program managers, innovators and M&E officers
- Junior faculty, doctoral and postdoctoral fellows engaged in global health research
- Clinical researchers and residents working internationally
- Research staff, including study coordinators, with an interest in international work
- Representatives of funding and/or advocacy bodies, grant reviewers

## ENROLMENT

Maximum of 40 participants.

**2019 COURSES** To Register: <http://mcgill-idgh.ca/>



**McGill**

**McGill Summer Institute in  
Infectious Diseases and  
Global Health**



JUNE 19-21, 2019

# QUALITY OF TB CARE

New course for 2019!  
Learn from experts in measurement and  
improvement of quality of TB care.

Poor quality TB care is widespread and is a key driver of the TB epidemic. This course will address the critical need to go beyond coverage and improve quality of TB care in low and middle-income countries.

## COURSE DIRECTOR

**Madhukar Pai**, MD, PhD

Director, McGill Global Health Programs

Director, McGill International TB Centre

**Zelalem Temesgen**, MD

Director, Mayo Clinic Center for Tuberculosis

## COURSE FACULTY

**Jishnu Das**, PhD – World Bank

**Adithya Cattamanchi**, MD – UCSF

**Bruce Agins**, MD – UCSF & HealthQual

**Ramnath Subbaraman**, MD – Tufts University

**Elysia Larson**, PhD – Harvard School of Public Health

**Margaret Kruk**, MD – Harvard School of Public Health

**Daksha Shah**, MD – Municipal Corporation of Greater Mumbai, India

**Lindiwe Mvusi**, MD – National Department of Health, South Africa

**Nandita Venkatesan** – Survivors Against TB, India

*Faculty are still being confirmed and there may be changes to the above list.*

## CONTENT

In order to end TB, we need to increase access to TB care and simultaneously ensure that the care provided is of sufficiently high quality (i.e. care that is safe, effective, patient-centered, timely, efficient, and equitable). There is plenty of evidence that quality of TB (and TB-HIV coinfection and MDR-TB) care is poor in many settings, and this is a key reason for the high mortality rate seen in LMICs. This means National TB programs need to think beyond coverage of TB services; they need to start measuring and systematically improving quality of TB care in LMICs. This session of leading international experts will:

- Discuss and debate the best approaches to measurement of quality of TB care
- Review data on quality of TB care and factors that drive variation in care
- Explore quality of TB care in private versus public sectors
- Give examples of quality improvement programs in TB as well as other areas of global health (e.g. from HIV/AIDS) that have worked or failed through case study lessons
- Explain the use of quality dashboards, audits and tools, and their likely impact on quality
- Give strategies for understanding and overcoming the pervasive know-do gap, including training, mentoring, incentives, and system-wide changes for high-quality health systems



## OBJECTIVES

By the end of the course, participants will be able to:

- Review various approaches to measuring quality of TB care in low-resource settings
- Summarize current evidence on quality of TB care, and give examples of quality improvement programs that have worked or failed
- Describe the role of research in understanding variation in quality, the know-do gap, and provider performance improvement

## TARGET AUDIENCE

- National TB Program managers and program implementers
- Clinicians and nurses
- Researchers and academics involved in TB care and prevention
- Funding agencies
- Product development partnerships
- Policy makers and public health implementers
- Community advocates and civil society

## ENROLMENT

Maximum of 100 participants.

**2019 COURSES** To Register: <http://mcgill-idgh.ca/>



**McGill**

McGill Summer Institute in  
Infectious Diseases and  
Global Health



# MONTREAL

## A UNIQUE CITY

Vibrant nightlife and eclectic cuisine. Cobblestone streets and a horse-drawn calèche. Here in Montreal, the old city blends seamlessly into a modern metropolis of glass and steel, where trendy boutiques sit side-by-side with quaint bistros and brasseries.

Surrounded by the mighty St. Lawrence River and more than 400 islands, Montreal buzzes with energy and excitement all year long. Festivals abound, celebrating the power of laughter, fireworks, diversity, fast cars and cool jazz, a wintertime fusion of performing arts, fireworks and fine wine and dining.

The world's second-largest French speaking city, Montreal is renowned for its numerous universities, medical and scientific research centers, as well as for its cultural and

artistic life, excellent restaurants and hotel network. While French is the official language of the Province of Québec, English is also widely spoken.

You can enjoy the artisan studios of the Old Port, or the shops, theatres, and major department stores of the underground city. Montreal's artistic scene includes one of the world's leading orchestras, an internationally-renowned ballet company, English and French theatres, comedy clubs, and dozens of museums and galleries.

Enjoy the city's mixture of European and North American charm that both surprises and enchants participants of the Summer Institute year after year.

Outings and social events (any fees not included) will be arranged by course coordinators.

## REGISTRATION FEES

CATEGORY	3 DAY COURSES	5 DAY COURSE (TB Research Methods ONLY)
Students and trainees from McGill University and its affiliated hospitals	<b>\$350 CAD</b>	<b>\$500 CAD</b>
Applicants working or studying in low or middle income countries	<b>\$600 CAD</b>	<b>\$800 CAD</b>
<ul style="list-style-type: none"> <li>• Other students and trainees from high income countries who are registered at a college of university</li> <li>• Registered nurses</li> </ul>	<b>\$750 CAD</b>	<b>\$1,000 CAD</b>
Industry applicants	<b>\$2,150 CAD</b>	<b>\$2,900 CAD</b>
All other applicants	<b>\$985 CAD</b>	<b>\$1,650 CAD</b>

### NOTES

- Participants may apply for multiple courses as long as they don't overlap with each other.
- Payment information will be provided upon confirmation and acceptance of your application. Please do not make any travel arrangements until your application has been accepted.
- Cancellation and refund policy can be found on the course website.
- Fees are subject to change. Please consult the website for the most up-to-date fee schedule.
- Faculty listed for each course are subject to change.



**2019 COURSES** To Register: <http://mcgill-idgh.ca/>



**McGill**

McGill Summer Institute in  
Infectious Diseases and  
Global Health



## 2019 CELEBRATES THE FIFTH YEAR OF THE MCGILL SUMMER INSTITUTE IN INFECTIOUS DISEASES AND GLOBAL HEALTH!

We thank the 1,728 participants in 22 courses who have participated during the last four years and all of our sponsors. We look forward to continuing to offer innovative, accessible, and timely professional development courses for many years to come!

## 2019 HOSTS



GLOBAL  
HEALTH  
PROGRAMS

PROGRAMMES DE  
SANTÉ  
MONDIALE

Centre  
international  
de TB McGill



McGill  
International  
TB Centre

Centre universitaire  
de santé McGill  
Institut de recherche



McGill University  
Health Centre  
Research Institute

Research Infectious Diseases  
and Immunity in  
Global Health Program

*Improving Global Health through Research*



J.D. MacLean Centre  
for Tropical Diseases at McGill

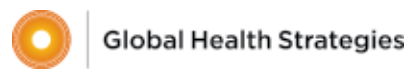
Centre J.D. Maclean  
pour les Maladies Tropicales à McGill



McGill

Interdisciplinary  
Initiative in  
Infection and  
Immunity

## 2019 PARTNERS



**McGill Global Health Programs**  
McIntyre Medical Bldg., Room 633  
3655 Promenade Sir Williams Osler  
Montreal, QC H3G 1Y6  
Phone: 514-398-4118

**Summer Institute Director**  
Madhukar Pai, MD, PhD  
Course Director  
McGill Global Health Programs  
summerinstitute.med@mcgill.ca

• *From McGill to the World,*  
• *Join us for 2019!*  
•  
•  
•  
•  
•



**McGill**

McGill Summer Institute in  
Infectious Diseases and  
Global Health