



# Antimicrobial Resistance (AMR)

JUNE 7- JUNE 10, 2021

The focus of this 4-day virtual workshop is on understanding the complex causes underlying the emergence and spread of AMR, on identifying practical approaches to tackle antibiotic misuse in different settings, and discussing promising scientific advances related to AMR.

## COURSE DIRECTORS

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Associate Professor of Medicine, McGill University  
AMR Center Lead, McGill Interdisciplinary Initiative in Infection and Immunity (MI4)

## 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 4-day virtual workshop will focus on understanding the complex causes underlying the emergence and spread of AMR, on approaches to tackle antibiotic misuse in different settings, and on discussing promising scientific advances related to AMR.

The workshop format is a mix of plenary talks and panel discussions, with opportunities to interact with course faculty and 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.

## OBJECTIVES

At the end of this course, participants will be able to:

- Understand the basic mechanisms and trends in AMR
- Describe essential diagnostic tools and challenges/opportunities for improved AMR surveillance in different settings
- Identify adaptive challenges and practical solutions to implementing stewardship programs in different settings
- Discuss promising advances in AMR-related biomedical research

## 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

Unlimited.

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