



THE DEPARTMENT OF EPIDEMIOLOGY, BIOSTATISTICS AND OCCUPATIONAL HEALTH, - SEMINAR SERIES IS A SELF-APPROVED GROUP LEARNING ACTIVITY (SECTION 1) AS DEFINED BY THE MAINTENANCE OF CERTIFICATION PROGRAM OF THE ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF CANADA

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Malaria versus Arboviruses: Unique and Common Challenges in their Control and Prevention

MONDAY, 25 NOVEMBER 2019 / 4:00 pm – 5:00 pm
McIntyre Medical Building

3655 promenade Sir William Osler – Martin Amphitheatre Rm 504

ALL ARE WELCOME

ABSTRACT

There have been successful gains in malaria control over recent decades due to large-scale interventions such as insecticide-treated bednets, insecticide spraying, and effective drugs. Arboviruses, such as dengue, chikungunya, and Zika, are increasing in their global presence with no current treatment options. Preventing or reducing transmission primarily depends on controlling the mosquito vectors or interrupting human-vector contact. This presentation will describe the epidemiology of these mosquito-borne diseases and intervention approaches and their respective challenges, supported by study examples.

OBJECTIVES

1. To present the epidemiology of malaria and arboviruses;
2. To describe the current challenges in the prevention and control of malaria and arboviruses;
3. To discuss how lessons learned from malaria control can be applied to arboviruses, and vice versa.

BIO

Kate Zinszer is an Assistant Professor in the global health program, in the Department of Social and Preventive Medicine at the School of Public Health, University of Montreal. She obtained a PhD in Epidemiology at McGill University and completed a post-doctoral fellowship in computational epidemiology at Harvard Medical School. Her research program focuses on vector-borne diseases (VBDs) in Canada and in LMICs. Current projects include examining patterns and trends of VBDs, forecasting future burdens according to different climate change scenarios, and evaluating large-scale interventions. For more information, please visit: www.globalpublichealthlab.com.