



Harnessing the Power of Data and Technology to Improve Infectious Disease Control

Guest Editors:

Prof. Dr. Archie Clements

School of Biological Sciences,
Queen's University Belfast,
Belfast BT9 5DL, UK

Prof. Dr. Colleen Lau

School of Public Health, Faculty
of Medicine, University of
Queensland, Brisbane, QLD 4006,
Australia

Prof. Dr. Daniel J. Weiss

Faculty of Health Sciences, Curtin
University, Perth, WA 6102,
Australia

Deadline for manuscript
submissions:

closed (10 December 2022)

Message from the Guest Editors

The world is experiencing the convergence of a global pandemic, renewed global interest in infectious diseases, and the acceleration of the information age. Disease-relevant data are more readily available and abundant than ever. Despite this, decision-makers struggle to make evidence-informed decisions regarding public health interventions and the allocation of scarce healthcare resources, which has a deleterious impact on the effectiveness of their responses. This Special Issue focuses on how advances in digital technology, data science and analytics can be better harnessed to optimize the use of data to inform decision-making for infectious disease control by health authorities, public health decision makers, clinicians and the general public. We invite submissions from data scientists, epidemiologists, clinicians, public health practitioners, social scientists, health informaticians, cybersecurity experts and researchers to provide different disciplinary perspectives regarding the opportunities, challenges and pitfalls of harnessing data in the information age for better public health decision-making.

