Tracking Infectious Diseases

Guest Editor:

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Message from the Guest Editor

This Special Issue on "Tracking infectious diseases" aims to focus on methodological theories of tracking technology (e.g., statistical and mathematical modeling, machine learning and evolutionary algorithms, geospatial informatics, communication infrastructures, micro-sensors, mobile data, etc.) for disease control and their applications and ethical concerns for tracing the source of infection, and identifying the transmission risk of infectious disease, with the goal to build scientific understanding on how the improvement of tracking technology can provide valuable insights in disease surveillance and detecting emerging disease clusters in time and space.<false,>We encourage the submission of original research, in the form of innovative and unconventional applications of methodological, technological, administrative or ethical perspectives on tracking infectious diseases, for example, data analytics in outbreak detection and disease control, developing new algorithms for predicting epidemic progression, Artificial Intelligence of Things (AIoT) in disease surveillance, environmental exposure assessment, and best practices in disease tracking.

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