Special Issue

Molecular Methods for Rapid Identification, Antimicrobial Resistance and Management of Infections Caused by Mycobacterium Tuberculosis and Other Non-tuberculosis Mycobacteria

Message from the Guest Editor

Mycobacterial infections are complex diseases. They can cause tuberculosis (TB), nontuberculous mycobacteria (NTM) pulmonary infections, other localized NTM or disseminated infections, leprosy, and chronic ulcers (Buruli ulcer). Rapid identification of mycobacterial infections and antimicrobial resistance detection remains one of the biggest challenges for the microbiology lab. The turnaround time for definitive identification is typically dependent on the services of an external reference lab, which may lead to long delays. Due to the increasing number of drug-resistant TB and NTM infections, the rapid differentiation of the *Mycobacterium tuberculosis complex* from other Mycobacteria is critical to administer appropriate treatment and establish effective public health interventions. This Special Issue of *Antibiotics* will focus on the current state of knowledge on rapid identification, antimicrobial resistance and management of infections caused by Mycobacteria and on building knowledge around novel methodologies to expand the focus of genomic and drug resistance surveillance in tuberculosis and other infections caused by NTM.

Guest Editor

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Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciples are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

Editor-in-Chief

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