Special Issue

Tuberculosis: Clinical and Laboratory Updates and Perspectives

Message from the Guest Editor

The diagnosis of tuberculosis (TB) still faces challenges in clinical practice. Specially, the sensitivity of methods based on the detection of *Mycobacterium tuberculosis* (*Mtb*) is unsatisfactory, especially for the diagnosis of extrapulmonary TB; the methods based on the detection of Mtb-specific immune responses cannot differentiate active disease from latent infection; and the serological markers cannot differentiate TB from other inflammatory diseases due to a lack of specificity. Nevertheless, with the development of new technologies such as mass spectrometry, high-throughput sequencing, and artificial intelligence, some new tools show the potential to solve the dilemma. The aim of this Special Issue is to provide updates on and perspectives of laboratory diagnosis and management of TB, with particular interest in the use of innovative techniques or optimized traditional technologies for accurate diagnosis and effective management of the disease. Therefore, researchers in the field of laboratory medicine and translational medicine are encouraged to submit their findings as original articles or reviews to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (20 February 2023)

MDPI

Journal of Clinical Medicine

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.2
Indexed in PubMed

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