

Special Issue

Advances in Infectious Disease Detection: Novel Assays and Biomarkers

Message from the Guest Editor

This Special Issue aims to advance the science of *in vitro* diagnostics and biomarker discovery by bringing together rigorous research that enhances disease detection, prognostic assessment, staging, and evaluation of therapeutic response. We welcome studies addressing molecular, serological, immunological, and translational aspects of direct and indirect *in vitro* diagnostics, as well as the identification and validation of biomarkers relevant to diagnosis, prognosis, disease staging, therapeutic response, and cure. Submissions employing diverse experimental strategies are encouraged, provided they demonstrate robust assay design, appropriate statistical analyses, thorough analytical performance evaluation, and relevance to biologically or clinically meaningful samples. When applicable, studies must adhere to STARD and PRISMA guidelines. Despite significant advances, robust biomarkers for disease progression, staging, and cure remain scarce across many infectious diseases. This Special Issue is specifically designed to address these unmet needs by gathering original research and state-of-the-art reviews on innovative *in vitro* diagnostic approaches and biomarker discovery.

Guest Editor

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Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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