Special Issue

Molecular Diagnostic Devices and Clinical Applications

Message from the Guest Editor

Molecular diagnostics can be considered the optimal form of testing that offers the purposes of biomolecule detection and decision making in clinical applications. Especially, molecular diagnostic devices can be applied in point-of-care testing for medical diagnoses (e.g., pathogen detection, cancer detection and monitoring, etc.) following the combination of sample preparation and detection techniques. This Special Issue aims to promote exchanges of ideas and knowledge about recent molecular diagnostic devices and their clinical applications, focusing on nucleic acid sample preparation, detection techniques, nano-biomaterials, devices, and clinical applications. This Special Issue includes, but is not limited to, the following:

- Novel sample preparation techniques and devices;
- Detection techniques and devices;
- Optical, chemical, and electrical sensing;
- Biosensing applications;
- Clinical applications with the above techniques.

Guest Editor

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Message from the Editor-in-Chief

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