

Special Issue

Biosensing Systems for Point-of-Care Diagnostics

Message from the Guest Editor

Effective and rapid point-of-care (POC) diagnostics have the capability to revolutionize public healthcare both in developed and developing countries. A recent advance in molecular biology and bioMEMS has greatly enhanced the analytical performance of POC diagnostics and, as a result, numerous new POC applications have been proposed. However, several key challenges remain and must be addressed to realize a truly stand-alone biosensing system that does not rely on a competent laboratory service. The challenges involve developing quality assessment, system integration, and data management solutions. On this research topic, we welcome review articles and original research papers aiming to the related key issues of basic research, materials development, system integration and data management with new POC diagnostic technologies in the frame of emerging and demanding biotechnological applications.

Guest Editor

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