

Special Issue

Sensors-Based Biomarker Detection and Bioinformatics Analysis

Message from the Guest Editors

The research on digital health and biosensing technology has been growing rapidly in recent years. In parallel, bioinformatics and data analytics have revolutionized systems biology and clinical practice, providing important tools to identify molecular mechanisms and biological networks, and diminishing the time and cost required. Data mining extracts biomedical results that we are not able to obtain through traditional computing tools and contributes to the early diagnosis and monitoring of progression. AI technologies make innovations possible that are fundamental for transforming large amounts of data to detect patient subgroups that might benefit more in a clinical trial. Digitalization and innovative technologies in healthcare, such as Internet of Things (IoT), image analysis and data analytics, can also contribute to the real-time remote monitoring of patients. This Special Issue aims to highlight recent advances in biosensors, remote sensing platforms and digital developments, and will cover promising methods and models for big data analytics and bioinformatics approaches in clinical practice, as well as biomarkers for prognosis, diagnosis and therapeutics.

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

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