

Special Issue

Optical Biosensors for the Detection of Biomarkers

Message from the Guest Editors

The development of rapid, sensitive and easily applicable platforms for the specific detection of biomolecules represents a relevant clinical requirement for the management of several diseases. Indeed, the objective evaluation of the presence and concentration of molecules potentially involved in the pathogenesis of a specific disease can enable the early diagnosis and/or monitoring of pathological progression, assessing the efficacy of pharmacological or rehabilitative treatments for personalized medicine. Optical biosensors offer great advantages, representing the most common type of biosensors due to their demonstrated capabilities of high specificity, sensitivity, high speed and cost-effectiveness once implemented. The aim of this Special Issue is to present the current evolution of optical biosensors for the sensitive and specific detection of new, or already discovered, disease-related biomarkers, responding to urgent unmet clinical needs concerning specific disease management. For more information, please click: mdpi.com/si/81321

Guest Editors

Dr. Marzia Bedoni

IRCCS Fondazione Don Carlo Gnocchi, Via Capecelatro 66, 20148 Milano, Italy

Dr. Silvia Picciolini

IRCCS Fondazione Don Carlo Gnocchi, Via Capecelatro 66, 20148 Milano, Italy

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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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

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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