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## Biosensors for the Detection of Biomarkers

Guest Editor:

**Prof. Dr. Chung-Chiun Liu**

Department of Chemical and  
Biomolecular Engineering and  
Electronics Design Center, Case  
Western Reserve University,  
Cleveland, OH 44106, USA

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### Message from the Guest Editor

A biomarker is a measurable indicator reflecting the presence of a disease or physiological state of an organism. Specifically, a biomarker provides an indication of normal and disease processes in the body, the progression of a disease, assessment of therapeutic effectiveness and early-stage screening, diagnosis, and clinical end-point evaluation. A biomarker is also important in personalized medicine, tailored to a specific patient for highly efficient treatment of disease processes.

The bio-recognition mechanism of a biosensor can be specifically tailored, providing selectivity and sensitivity in the detection of a biomarker. The test medium can be a physiological fluid, including cerebrospinal fluid (CSF), blood, urine, saliva, and even breath. The transduction mechanism of these biosensors for biomarker detection can be optical, electrochemical, surface plasmon resonance (SPR), etc. In this Special Issue, we seek unique research and development efforts, identifying biosensors for the detection of various biomarkers, and expanding the scientific frontier of this very important and significant biomedical endeavor.



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### **Prof. Dr. Giovanna Marrazza**

Department of Chemistry “Ugo Schiff”, University of Florence, Via della Lastruccia 3, 50019 Sesto Fiorentino, Italy

## Message from the Editor-in-Chief

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Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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*Biosensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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