



Microbioreactors for Cell Screening and Processing

Guest Editor:

Dr. Gerardo Perozziello

Department of Experimental and
Clinical Medicine, University
Magna Graecia, 88100 Catanzaro,
Italy

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Message from the Guest Editor

Dear Colleagues,

The screening and processing of cells often translate into the detection of few molecules in diluted and complex solutions. In addition, for some screening procedures, it is important to not affect the phenotype of the biological sample, especially for analysis over a long period of a specific sample (e.g., a specific cell populations). Therefore, it has become important to introduce new methodologies, which are not invasive for analytes.

Microfluidic systems offer excellent control of the microenvironment, useful for high-throughput cell screening and processing. This is also due to the possibility of integrating or interfacing different types of sensors and the generation of spatially and temporal controlled fluxes in reaction or culture chambers. This Special Issue will report the latest developed innovative devices for cell screening and processing purposes. The main topic is related but not limited to:

- Microfluidics
- optical sensors
- electrochemical sensors
- cell screening
- cell processing
- micro-bioreactors
- lab on a chip
- optofluidics





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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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Biosensors Editorial Office
MDPI, Grosspeteranlage 5
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