Special Issue

Microsystem for Heart and Stem Cells Processing

Message from the Guest Editor

Perfusion lab-on-a-chip systems, mimicking tissue features, seem to be a suitable tool used for cell study. Microsystems used to culture cardiac and stem cells, as well as for the creation of vascularization, stem cell differentiation, and drug toxicity cell study, can be a helpful method to study diseases, especially CVDs. Original papers focusing on achievements in the study of cardiac, stem, and vascular cells in microscale, new technologies of microsystem fabrication, as well as review reports on recent developments in the field will be considered for publication. This Special Issue entitled "Microsystem for Heart and Stem Cell Processing" is dedicated to biologists, engineers, microfluidic specialists, cell culture experts, cardiologists, and other experts connecting with this research field. The main topic of this special issue is related but not limited to:

- Lab-on-a-chip
- Heart-on-a-chip
- Vascularization
- Stem cells
- Microfluidic
- Cell differentiation
- Cardiovascular diseases
- Toxicology

Guest Editor

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Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. 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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