Special Issue

Organs-on-Chips

Message from the Guest Editor

This Special Issue thus aims to depict the current scenario in this field of animal and human organs-on-a-chip models. Reports on the development of anchillary technologies, such as on-chip or downstream sensing, perfusion systems, and engineering approaches to support cell development, are welcome. New strategies and revised approaches for manufacturing organs-on-a-chip will be included, including new techniques to solve the limitations of traditionally used plastics (e.g., molecules adsorption, hydrophobicity, and transparency), using alternative, sustainable, manufacturing processes and materials. Examples of contributions could address:

- Animal and human organs-on-a-chip models
- Validation of organs-on-a-chip models for drug testing and drug screening, toxicity, and toxicology studies
- Novel methods of analysis of the organs' effluents
- Non perturbative analytical methods
- Sensors integration and techniques for *in situ* monitoring
- Multiple organs connections and validation

Guest Editor

Dr. Virginia Pensabene

School of Electrical and Electronic Engineering, University of Leeds, Leeds, UK

Deadline for manuscript submissions

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

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie
Department of Biomedical Engineering, Texas A&M University, College Station, TX 77843, USA

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