

Joint Special Issue

Organs-on-Chips, Volume 2

Message from the Guest Editor

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

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

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2021)

Participating open access journals:

Bioengineering

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Life

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