

Special Issue

Material and Engineering-Based Approaches for Organoids

Message from the Guest Editor

This Special Issue focuses on strategies that maximize the potential of biomaterials and technology in modelling tissue formation and organ development, and applications in drug/small molecule testing, tissue replacement and cancer research. Topics of interest for this Special Issue include, but are not limited to, the following:

- Development of material-based multicellular structures such as spheroids, organoids and/or gastruloids;
- Design of organoid platforms for therapeutic and regenerative applications, drug screening or personalized medicine;
- Technologies that enhance integration of organoids into biological and clinical workflows, such as biofabrication/additive manufacturing, computational and genome-editing tools;
- Technologies that enhance long-term growth of complex systems such as bioreactors, co-culture systems and engineered blood vessel or neural networks.

Guest Editor

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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