

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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Deadline for manuscript submissions

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Editor-in-Chief

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