

Special Issue

Three-Dimensional Models of Pediatric Cancers

Message from the Guest Editor

This Special Issue of *Bioengineering* on "Three-Dimensional Models of Pediatric Cancers" calls for original research papers and reviews presenting and discussing advanced technologies to build predictive models of pediatric tumors. Topics of interest for this Special Issue include, but are not limited to, the following:

- Biomaterials for better mimicking the pediatric tumor microenvironment
- Tissue engineering approaches for developing 3D models of pediatric cancers, such as organoids, cell sheet technologies, porous scaffolds, hydrogels, and tumor-on-a-chip, among others
- Studies of extracellular vesicles in 3D models of pediatric cancers
- Advanced bioengineering technologies and methods to improve 3D pediatric models, such as bioprinting or electrospinning
- Studies of drug responses and cancer therapies using 3D models of pediatric cancers
- Development of high-throughput platforms using 3D models of pediatric cancers
- Advanced image-based techniques to track pediatric cancer cells in 3D constructs

Guest Editor

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Deadline for manuscript submissions

closed (4 June 2021)



Bioengineering

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.3
Indexed in PubMed



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Message from the Editor-in-Chief

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