Topical Collection

Bioprinting in Healthcare and Therapeutic Continuity

Message from the Collection Editors

3D bioprinting enables the rapid customization of personalized medical devices, drugs, and applications, achieving the ability to restore human functionalities. This topical collection will collect articles related to the application of 3D printing/bioprinting in the medical sector, following the therapy continuity approach. Big data: biosensors and wearable devices or prototypes capable of collecting data and supporting the big-data chain;
Advance diagnostics: drug delivery devices and lab-on-chip and surgical trainers that support personalized treatment and planning;
Personalized medicine: implantable printed materials/devices that allowing tissue regeneration or drug delivery management (absorbable or not) and medical devices useful for improving standard medical approaches (i.e., bioprinted surgery devices);
Zero failure: prosthesis starting from CT or MRI and smart devices capable of reducing errors, rehospitalization via custom rehabilitation, and enabling personalized food and motor activity.
Finally, close attention will be paid to preclinical and clinical studies scalable on animals and humans.

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About the Journal

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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