

Special Issue

3D Bioprinting in Biomedical Research and Drug Development

Message from the Guest Editor

Three-dimensional (3D) bioprinting set out with the ambitious goal of building replacement organs in the laboratory. Despite significant progress, however, organ printing remains a long-term goal whose attainment depends on further developments in polymer chemistry and in our understanding of the self-organization of biological cells into tissues and organs.

The current tendency is to build interconnected organ-on-a-chip systems to mimic the physiological interplay of various organs under normal and pathological conditions. Drug testing on chains of organ-on-a-chip devices is anticipated to streamline the assessment of side effects.

This Special Issue welcomes contributions from the 3D bioprinting community. The plan is to attract both fundamental and applicative research papers, as well as review articles, providing a snapshot of the state of the art in 3D bioprinting. The hope is that new ideas will be sparked along the way.

Guest Editor

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