

3D Bioprinting: the future of medicine is here

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Sala 3 del IIS La Fe Hospital La Fe. Torre A

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¿What is Bioink? ... A bioink is a biomaterial that is suitable for bioprinting with cells and provides a temporary or permanent support to the cells while they produce their own extracellular matrix. Bioinks based on biopolymers, such as collagen, gelatin, hyaluronan, silk, alginate, and nanocellulose, are known for their favorable biocompatible properties and are attractive biomaterials for cell encapsulation and 3D bioprinting. These bioinks provide an aqueous 3D environment consisting of biologically relevant structural, physical, and chemical signals.





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