ART BIOPRINT

A structure created to provide you with the state of the art in bioprinting.

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BICTIS 🌵 I

Inserm Université Bordeaux Inserm

Corres GDR Groupement de recherche Organoides

LES RENCONTRES DU GDR ORGANOIDES 1^{er}- 2 Décembre 2022

C. Handschin, ART BioPrint, Inserm U1026, Bordeaux

ACCÉLÉRATEUR DE RECHERCHE TECHNOLOGIQUE (ART)

Inserm

BIOPRINT





A structure created by Inserm and making part from the BioTis laboratory (Inserm U1026)

- Specialized in bioprinting.
- Improving research and visibility in the field at national and international level.
- Providing scientific and technological support to Inserm laboratories.
- A pool of engineers directed by J.C. Fricain (PUPH) and coordinated by H. De-Oliveira (research engineer).





GDR Organoïdes – 01 & 02 Décembre 2022

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Human cellular models:

hUVECs, hPECs, human skin fibroblasts, hSCAPS, hBMSCs, hADSCs, iPS, several cell lines.

Bioink development:

Collagen, collagen MA, Gelatin MA, HA, HAMA, Lamininderived, ECM-derived.

Printing technologies:

Laser-assisted, microextrusion, Inkjet and stereolithography.

Evaluation:

Histology 3D reconstruction Time-lapse Proteomics Genomics















TECHNOLOGIES ON SITE



BIO X





Photolithography (1 printer)

microextrusion

(2 printers)

Tools to implement various biofabricated products.



COLLABORATIONS AND FINANCIAL SUPPORT







mbre 2022

C. Handschin, ART BioPrint, Inserm U1026, Bordeaux



CONCLUSION





 A structure allowing the maturation of your projects in bioprinting.

- Advice/technological support.
- Scientific collaborations.
- Bioink supply.
- Projects organized in 3 thematics.
 - In-vitro models
 - Tissue engineering.
 - Technologies and tools.
- Organoids tissue projects
 - Physio pathological models:
 - Cancer (glioblastoma, breast, pancreas).
 - Complex models (oral epithelium, lung epithelium, bone, cartilage, hepatic, skin



https://www.artbioprint.fr



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