

Regenerative medicine

3D bioprinting from organoid building blocks

Liver tissue biomanufacturing

Building blocks composed of organoids and endothelial cells for vascularization offer a pathway for manufacturing functional tissues for transplantation purposes.

Bioconstruct printing

- Controlled assembly of live organoids and hydrogel
- Standardized hydrogel mixing with temperature control
- Organoid stirring during printing
- Printing in a dedicated maturation chamber

Tissue perfusion and maturation

- Sacrificial scaffold for perfusion and vascularization
- Automated perfusion with microfluidic-based smart lid



In partnership with

REGEN+IU
regenhu.com

Our inhouse project

 **OrganTrans**
Process for organoids transplantation
organtrans.eu

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