

3D Bioprinting

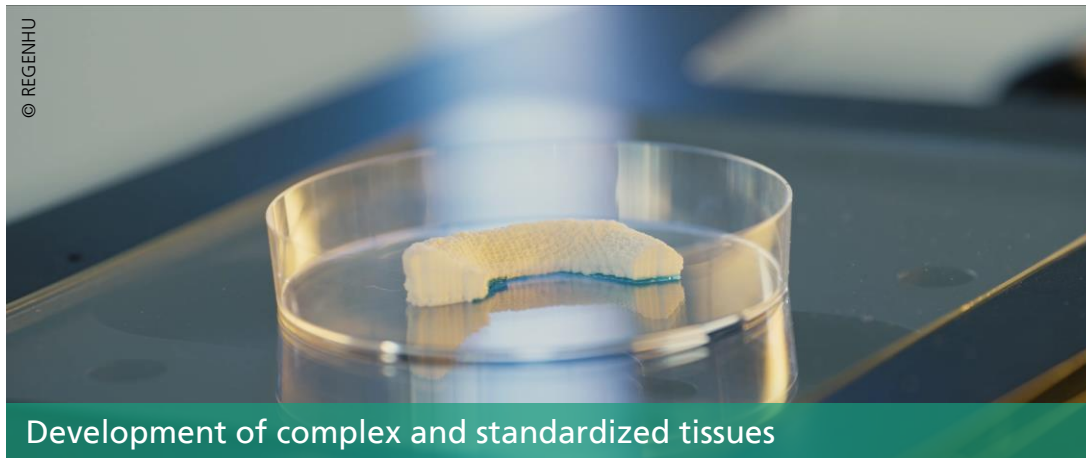
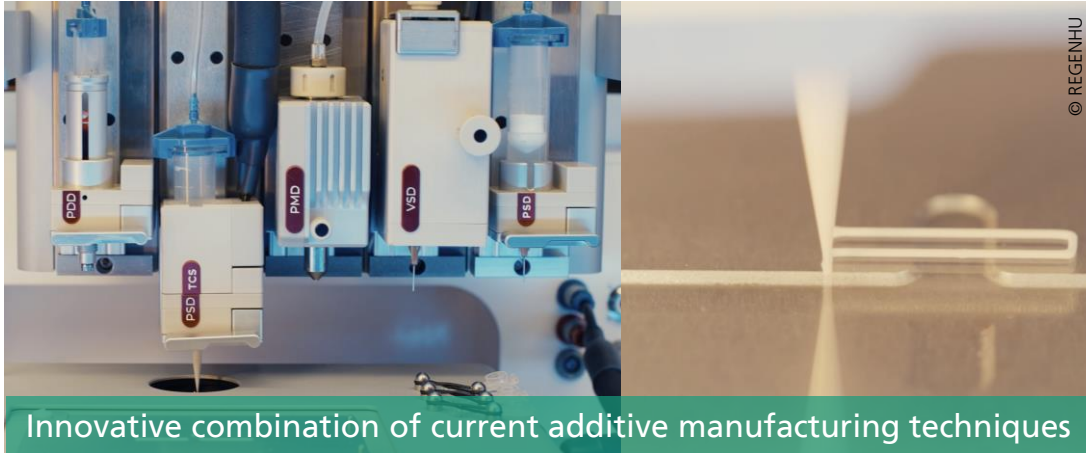


3D Bioprinting technology for automatized and standardized fabrication of complex living tissues

The progressive reduction of animal testings leads to a need in high standardized *in vitro* tissue models for the pharmaceutical and cosmeceutical industry. Combining our know how in biomaterials, tissue engineering, automatization and additive manufacturing, we develop the new generation of *in vitro* test systems produced by highly innovative 3D-Bioprinting systems.

Together with our partners at REGENHU we translate 3D Bioprinting technologies into soft tissue applications, e.g. for drug testing on exactly reproducible bioprinted models in the preclinical phase.

3D Bioprinting



SERVICES

- Development of complex *in vitro* models combining all current additive manufacturing techniques (FDM, Gel-Extrusion, Drop-Dispensing, MEW, E-Spinning, etc.)
- Test-printing service
 - Material Printing Test
 - Cell-Viability Assays
- Assistance in tissue maturation techniques (4D-Bioprinting)

APPLICATIONS

- Replacement of animal models by complex *in vitro* models
- Drug screening and drug testing effectiveness
- Regenerative implants
- Soft tissue models for basic research

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