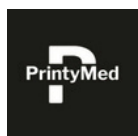


# BIOMATERIALS

Medical biomaterials enabling personalised and digital healthcare solutions

## Cellbox Labs



### Cellbox Labs

Latvia's biotech start-up Cellbox Labs raised **€3.3 million** to scale its **organ-on-chip platform** for drug testing and biocompatibility validation without animal experiments.

### PrintyMed

Develops **synthetic spider-silk implants** and wound-healing materials; the company has already attracted **€800k in public R&D funding and grants**.



### VeritaCell

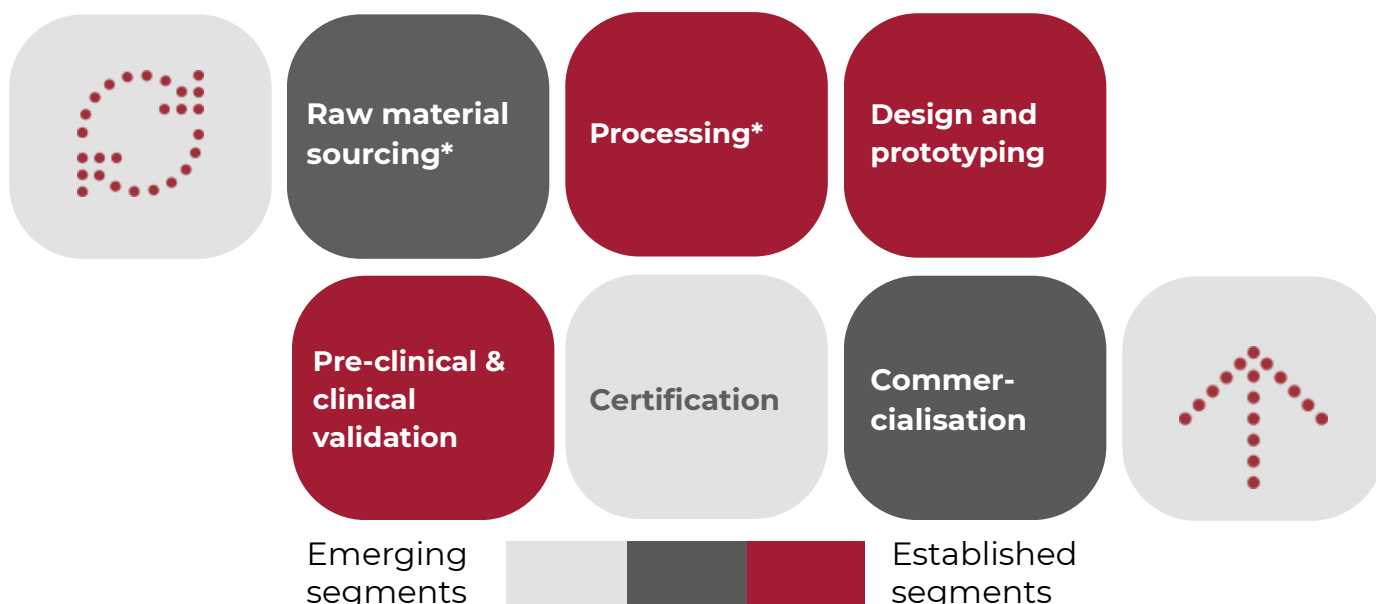
Personalised cell-based biomaterial solutions for regenerative medicine, enabling advanced wound healing and tissue repair with strong clinical application potential.



### CastPrint

3D-printed medical biomaterial solutions for orthopaedics, replacing traditional casts with lightweight, patient-specific and scalable digital manufacturing products.

## Biomaterials value chain



*\*The first two stages of the value chain (raw material extraction and processing) apply to biomaterials in general – they include the extraction and processing of biomass and other resources in biorefining or chemical synthesis processes.*

# Translational biomaterials R&D with clear pathways from lab to clinical and commercial use

## Baltic Biomaterials Center of Excellence

Leading biomaterials R&D and testing infrastructure in the Baltic region, supporting applied research, validation and early-stage commercialisation of medical biomaterials.

## Rīga Stradiņš University

Applied research in biocompatible implants, dental biomaterials and regenerative medicine, delivered in close collaboration with industry and clinical partners.

## InBioBone project

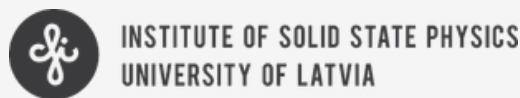
Development of biocomposite materials progressing from early validation to near-market readiness (TRL 2–4).

## BioPhoT (2023–2032)

Long-term biomedicine innovation platform providing structured funding and support from research to commercialisation, with €12.8 million available until 2026.

## Relevant Education Institutions

**NIRI** NATIONAL INSTITUTE OF RESEARCH AND INNOVATION

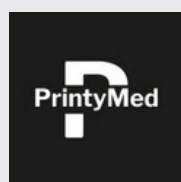


Competence Centre for Smart Materials and Technologies



Bone Tissue Centre in Latvia

## Industry leaders



Cellbox Labs

