

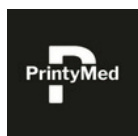
BIOMATERIALS

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

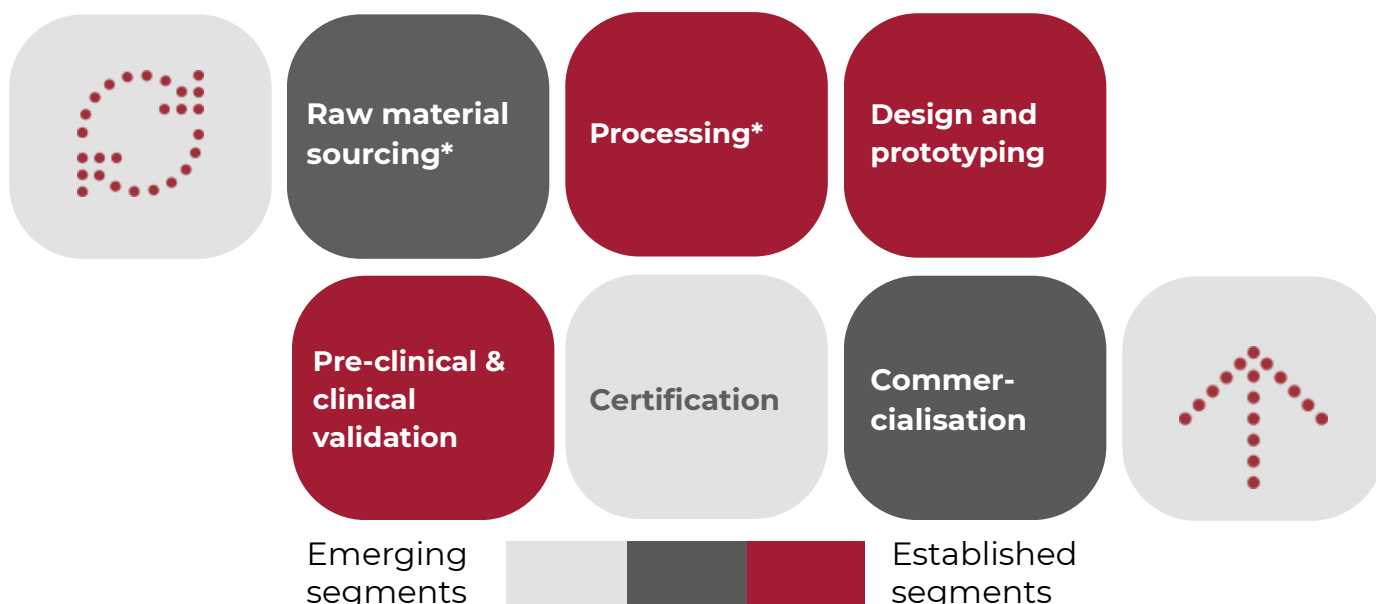
Personalised cell-based biomaterial solutions for regenerative medicine, enabling advanced wound healing and tissue repair with strong clinical application potential.



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.

Riga 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



RIGA TECHNICAL UNIVERSITY



UNIVERSITY OF LATVIA



RĪGA STRADIŅŠ UNIVERSITY



BBCE



INSTITUTE OF SOLID STATE PHYSICS
UNIVERSITY OF LATVIA



BBI



VIEDO MATERIĀLU
UN TEHNOĻĪJU
KOMPETENCES CENTRS

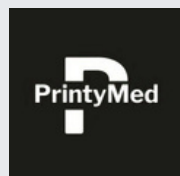
Competence Centre for Smart
Materials and Technologies



Bone Tissue
Centre in Latvia

Industry leaders

Cellbox Labs



Koatum
future within you

