Seeking international collaborators for upcoming call

HORIZON-HLTH-2025-01-IND-01: Design an improved manufacturing process for ATMPs

(source: Crowdhelix)

For the emerging consortium for HORIZON-HLTH-2025-01-IND-01: Design an improved manufacturing process for ATMPs, Masaryk University's Faculty of Medicine offers (see the flyer on proposal page):

- CTEF supports the complete ATMP pipeline—from cell sourcing, reprogramming, expansion, and genetic modification to quality control and cryopreservation, ready for industrial-scale optimization and standardization.
- Diverse, advanced cell portfolio.
- Expertise spans MSCs, CAR-T cells, virus-specific lymphocytes, hESCs, and iPSCs, including the derivation and registration of multiple pluripotent stem cell lines in the hPSCreg database.
- Research-to-production integration.
- Unique positioning within a university hospital enables seamless transition from academic research to GMP-compliant production, accelerating the path from discovery to patient-ready therapies.
- Active innovation in tissue engineering. Ongoing non-GMP research in hyaline cartilage, bone, skin, and retinal pigment epithelium (RPE) aims to develop new ATMPs and improve existing manufacturing workflows.
- Strong contribution to personalized medicine.

- Through non-viral CAR-T development and immunomodulatory MSC products, CTEF addresses scalable, safe, and customizable cell therapies aligned with emerging clinical needs.

- Education, training, and talent pipeline. Deeply involved in training young researchers, students, and clinicians, CTEF ensures sustainability and knowledge transfer in advanced therapy production technologies.

Seeking expertise:

- Artificial intelligence
- Atpm manufacturing capabilities

Organization: **Masaryk University**

Helixes: Health, Trustworthy AI, Cell & Gene Therapy

If you want to know more contact us at pre-award@ist-id.pt