A Turkish University is Looking for a Partner for Horizon-Hlth-2025-01-Tool-01 Call

Summary

Profile type
Research & Development Request

Company's country
Türkiye

POD reference
RDRTR20250721007

Profile status
PUBLISHED

Type of partnership
Research and development cooperation agreement

Targeted countries
- **Spain**
- **Netherlands**
- **Switzerland**
- **Finland**
- **Ireland**
- **Denmark**
- **Germany**
- **Norway**
- **France**
- **Sweden**
- **United Kingdom**
- **Belgium**
- **Austria**
- **Italy**

Contact Person
Enrico FRANZIN

Term of validity
21 Jul 2025
21 Jul 2026

Last update
21 Jul 2025

General Information

Short summary

A research team is preparing a proposal under the Horizon Europe call “TOOL-01: Enhancing cell therapies with synthetic biology”. We are currently looking for a partner with expertise in cell engineering and functional in vitro validation to contribute to a work package focused on testing gene circuit behavior in relevant cell models. Experience in techniques such as FACS, qRT-PCR, immunostaining, and signal-response analysis is highly desirable.

Full description

The project focuses on the development of an innovative therapeutic platform that combines synthetic biology tools with advanced in vitro disease models. The aim is to engineer programmable cell systems capable of responding to disease-specific signals in a controlled and precise manner. The proposed approach leverages recent advances in gene circuit design, cell-based delivery mechanisms, and microphysiological validation platforms, with a strong focus on translational potential in complex disease contexts such as those affecting the central nervous system.

Therefore, the university is looking for a partner related to the following subjects:

-One with expertise in AI-driven informatics and computational analysis,
-One with expertise in ethics and regulatory policymaking.

Advantages and innovations

The project will offer a novel cell-based therapeutic approach designed to function within physiologically relevant microenvironments. By integrating synthetic biological systems into human-derived cellular platforms, it aims to overcome key limitations of conventional preclinical methods. This strategy will help reduce translational gaps, enable precise modulation of therapeutic responses, and support early identification of safety and efficacy parameters. Ultimately, the project aligns with the increasing need for ethical, next-generation therapeutic solutions that are more predictive, scalable, and compatible with regulatory pathways.

Technical specification or expertise sought

The university is looking for partners as explained below:

-One with expertise in AI-driven informatics and computational analysis,
-One with expertise in ethics and regulatory policymaking.

Stage of development

Under development

IPR Status

No IPR applied

IPR Notes

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**

Partner Sought

Expected role of the partner

The university is looking for partners as explained below:

-One with expertise in AI-driven informatics and computational analysis,
-One with expertise in ethics and regulatory policymaking.

Type of partnership

Research and development cooperation agreement

Type and size of the partner

- **University**
- **R&D Institution**
- **Big company**
- **SME 11-49**
- **SME <=10**
- **SME 50 - 249**

Call Details

Framework program

Horizon Europe

Call title and identifier

Horizon-Hlth-2025-01-Tool-01: Enhancing cell therapies with genomic techniques

Submission and evaluation scheme

Single Stage Call

Anticipated project budget

8000000

Coordinator required

Yes

Deadline for EoI

Deadline of the call

6 Aug 2025

16 Sep 2025

Project duration in weeks

156

Web link to the call

https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-HLTH-2025-01-TOOL-01?isExactMatch=true&status=31094502&frameworkProgramme=43108390&callIdentifier=HORIZON-HLTH-2025-01&order=DESC&pageNumber=1&pageSiz

Project title and acronym

Advanced Human-Based Microphysiological Systems for Predictive Modelling of Oncology Therapies

Dissemination

Technology keywords

- **06001005 - Diagnostics, Diagnosis**

Market keywords

- **04009 - In vitro Testing, Trials**
- **05001002 - In-vitro diagnostics**
- **05001001 - Diagnostic services**
- **05001003 - Differential diagnosis**

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Sector groups involved

- **Health**